ORDER No.0159
I0

# Service Manual

## AUTOMOTIVE ELECTRONICS

COMPACT disc DIGITAL AUDIO

# HONDA CQ-EH8160AK

AM/FM MPX ELECTRONIC TUNING RADIO with Stereo Cassette Tape Player and 6-Disc CD Changer

HONDA PART No. : 39100-S9A-A200

ID CORD : 1TN0

VEHICLE : CR-V

DESTINATION : North America

PRODUCED AFTER : Feb., 2002

## Specification*

| | |
|---|---|
| General | |
| Power Supply | DC 12V (11V - 16V), Test Voltage 13.2V Negative Ground |
| Current Consumption | Less than 3.0A (at 0.5W) |
| Power Output | 30W×4 |
| Output Impedance | 4Ω |
| AM Radio | |
| Frequency Range | 530 - 1,710kHz |
| Usable Sensitivity | 24dB/μV (S/N 20dB) |
| FM Stereo Radio | |
| Frequency Range | 87.7 - 107.9MHz |
| Usable Sensitivity | 6dB/μV (S/N 30dB) |
| Cassette Player | |
| Reproduction System | 4-Track, 2-Program Stereo |
| Tape Speed | 4.76cm/sec. |
| Wow and Flutter | Less than 0.2% (WRMS) |
| Signal to Noise Ratio | More than 38dB (IHF-A) |
| IDC | |
| Signal to Noise Ratio | More than 63dB (IHF-A) |
| Total Harmonic Distortion | Less than 0.4% |
| Channel Separation | More than 50dB (IHF-A) |
| Dimensions** (W×H×D) | 180×102×170mm |
| Weight** | 2.4kg |

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

“Dolby” and the double-D symbol are trade marks of Dolby Laboratories Licensing Corporation.

Manufactured for HONDA
by Matsushita Communication Industrial Co., Ltd.
600, Saedo-Cho, Tsuzuki-ku, Yokohama, Japan

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# 1 FEATUERS

- PLL (Phase Locked Loop) synthesized tuning.
- 18-station preset (12-FM, 6-AM).
- Automatic preset setting.
- 6-Disc CD changer (in dash board).
- Dolby noise reduction.
- Adjustable VOL, BAS, TRE, FAD and BAL.

# 2 LASER PRODUCTS

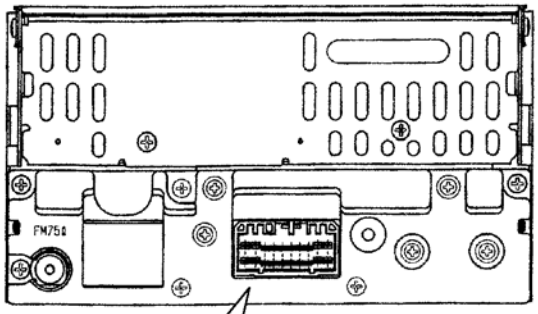
**Do not take apart this unit or attempt to make any changes yourself.**
This unit is very intricate that uses a laser pickup to retrieve information from the suface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

**Laser products :**

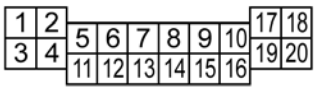
| | |
|---|---|
| Wave length | 780nm |
| Laser power | No hazardous radiation is emitted with safety protection. |

**Caution**
This product utillzes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

# 3 REAR VIEW

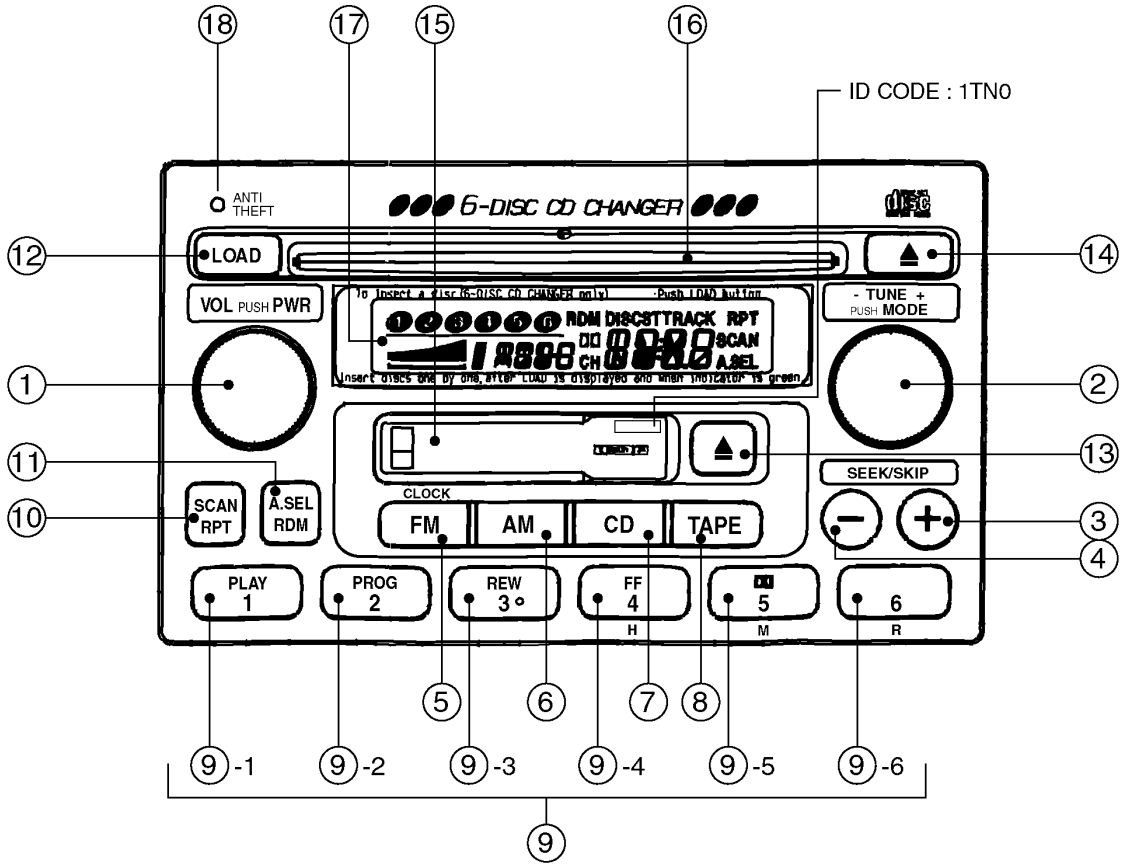



<CN701 20P CONNECTOR>




| | |
|---|---|
| 1. SW+B | 11. No Connection |
| 2. ACC | 12. No Connection |
| 3. No Connection | 13. Speaker, RR (-) |
| 4. No Connection | 14. Speaker, RL (-) |
| 5. Remote | 15. Speaker, FR (-) |
| 6. SEC-IN | 16. Speaker, FL (-) |
| 7. Speaker, RR (+) | 17. Iliumi. |
| 8. Speaker, RL (+) | 18. BATT. (+B) |
| 9. Speaker, FR (+) | 19. Illumi (-) |
| 10. Speaker, FL (+) | 20. Ground |

# 4 FRONT VIEW AND FUNCTIONS

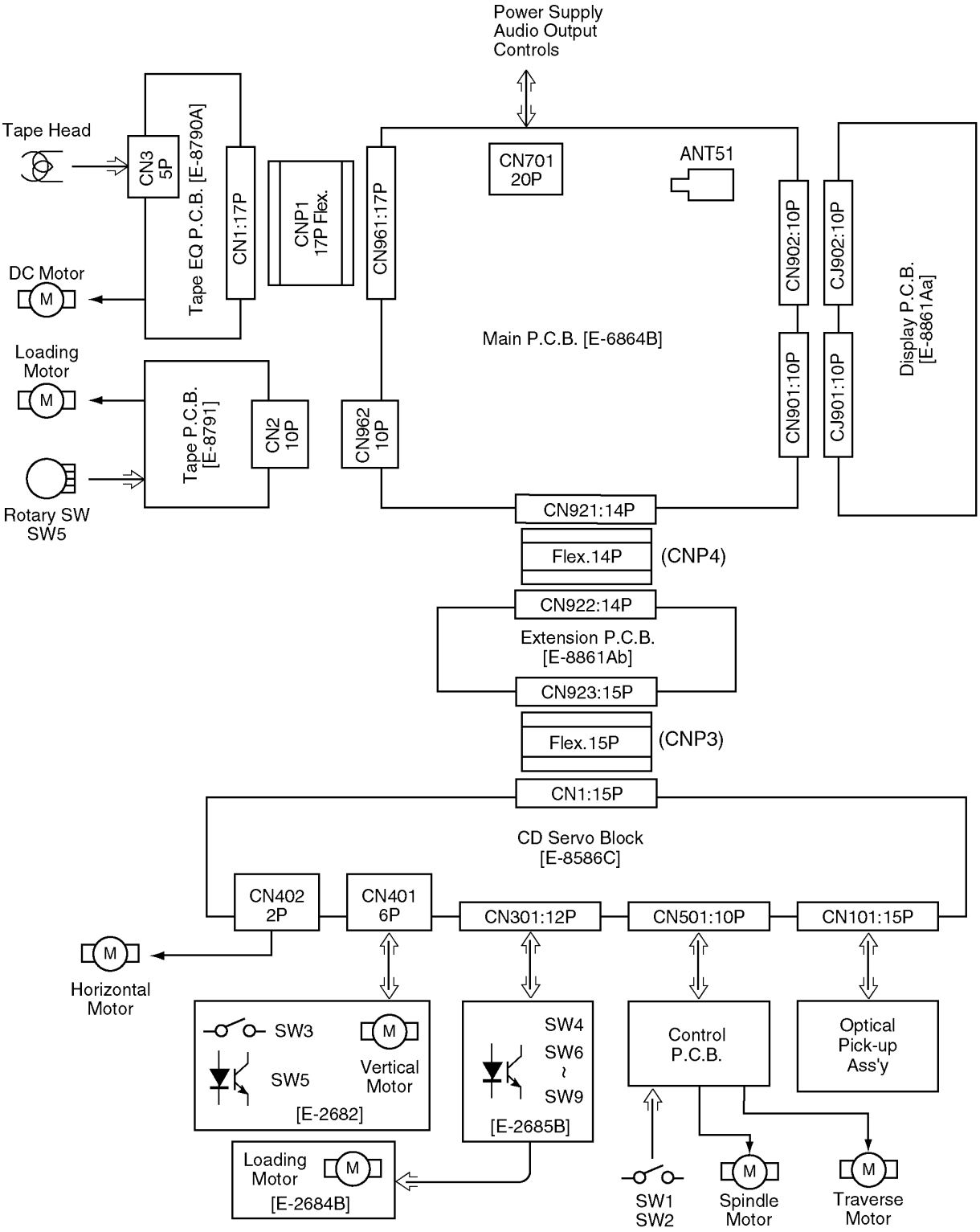



| | | | |
|---|---|---|---|
| ① | PWR | : | Power on/off. |
| | VOL | : | Increase/Decrease of volume. |
| ② | MODE | : | Audio adjustment mode selection. |
| | TUNE | : | Radio manual tuning. |
| ③ | SEEK/SKIP (+) | : | Radio seek/skip up tuning. |
| | | : | Tape APC (forward) operation. |
| | | : | CD disc fast forward. |
| ④ | SEEK/SKIP (-) | : | Radio seek/skip down tuning. |
| | | : | Tape APC (Reverse) operation. |
| | | : | CD disc reverse. |
| ⑤ | FM | : | FM radio mode selection. |
| | CLOCK | : | Clock adjustment mode. |
| ⑥ | AM | : | AM radio mode selection. |
| ⑦ | CD | : | CD mode selection. |
| ⑧ | TAPE | : | TAPE mode selection. |
| ⑨ | 1~6 | : | Radio frequency preset/call. |
| | | : | CD changer disc selection. |

| | | | |
|---|---|---|---|
| ⑨-1 | PLAY | : | Tape play mode. |
| ⑨-2 | PLOG | : | Tape program change. |
| ⑨-3 | REW | : | Tape rewind. |
| ⑨-4 | FF | : | Tape fast forward. |
| | H | : | Hout digits increment. |
| ⑨-5 | NR | : | Tape dolby NR on/off. |
| | M | : | Minute digitsh increment. |
| ⑨-6 | R | : | Minute and hour digits clearing. |
| ⑩ | SCAN | : | Radio scan up tuning. |
| | RDM | : | CD random play. |
| ⑪ | A.SEL | : | Radio stations auto-preset. |
| | RPT | : | Tape/CD repeate play. |
| ⑫ | LOAD | : | CD disc loading. |
| ⑬ | ⏏ | : | Tape eject. |
| ⑭ | ⏏ | : | CD disc eject. |

⑮ Casette slot.
⑯ CD slot.
⑰ LCD display.
⑱ Anti-theft indicator.

# 5 WIRING CONNECTIONS

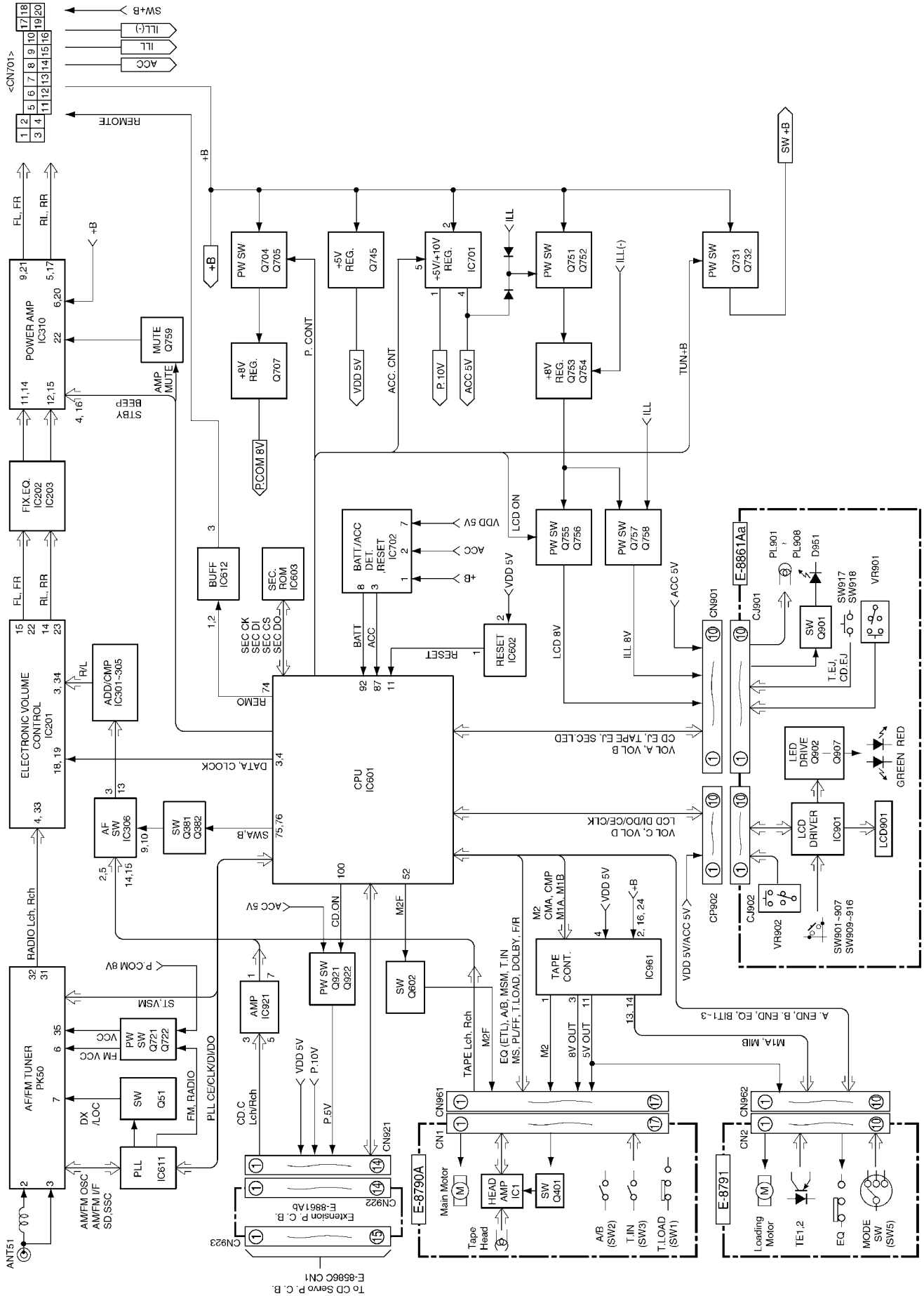



**<Note> :**

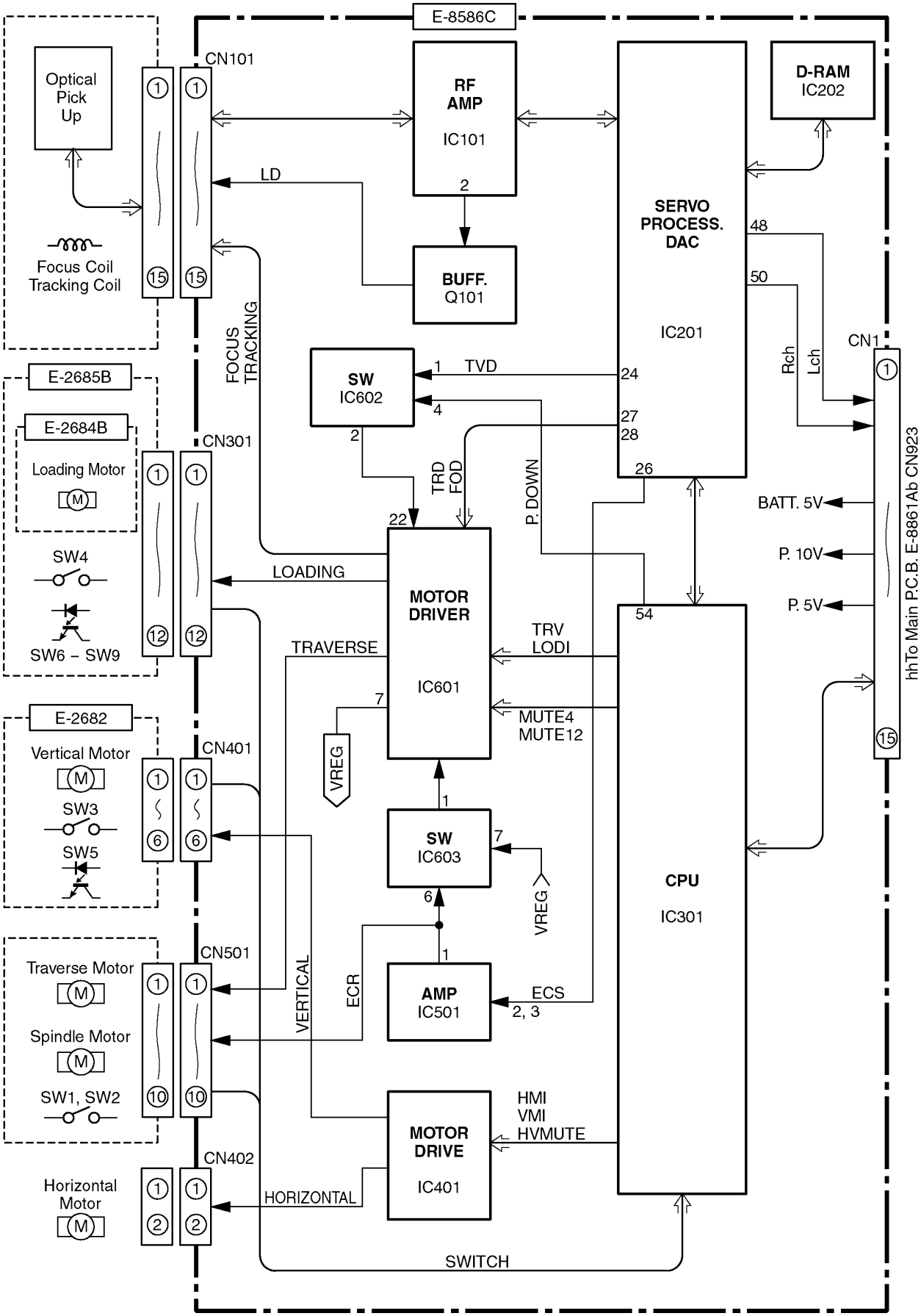
▭ ·····This mark shows a Ref. No. of connector

▭ ·····This mark shows a mounting position of connector.

# 6 BLOCK DIAGRAM (Main, Display, Tape Block)



# 7 BLOCK DIAGRAM (CD Servo Block)



# 8 TERMINALS DESCRIPTION

## 8.1. Main Block

**IC601 : C2CBHG000077**

| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 1 | BEEP | Beep output | O | 0 |
| 2 | IDC-ST/SP | CD.C start/stop | O | 4.9 |
| 3 | EVOL CLK | Electronic volume clock | O | 0 |
| 4 | EVOL DATA | Electronic volume data | O | 0 |
| 5 | SEC-LED | Security LED on/off | O | 4.9 |
| 6 | VOL A | Rotary encoder data | I | 0.5 |
| 7 | VOL B | Rotary encoder data | I | 0.5 |
| 8 | LCD-CLK | Shift clock for LCD data | O | 0 |
| 9 | LCD-DI | LCD data | O | 5.0 |
| 10 | LCD-DO | LCD data | I | 0 |
| 11 | RESET | Reset input | I | 4.9 |
| 12 | XT2 | Crystal oscillator terminal | - | 2.4 |
| 13 | XT1 | Crystal oscillator terminal | - | 0.7 |
| 14 | VSS | Ground | - | 0 |
| 15 | X2 | Crystal oscillator terminal | - | 2.3 |
| 16 | X1 | Crystal oscillator terminal | - | 1.8 |
| 17 | REGOFF | (Connecting to VDD) | - | 4.9 |
| 18 | REGC | (Connecting to VDD) | - | 4.9 |
| 19 | VDD | +5V power supply | - | 4.9 |
| 20 | VOL C | Rotary encoder data | I | 4.8 |
| 21 | VOL D | Rotary encoder data | I | 0.5 |
| 22 | LCD-CE | LCD driver enable | O | 0 |
| 23 | BOSE | (Connecting to ground) | - | 0 |
| 24 | SEC-CS | Security ROM chip select | O | 0 |
| 25 | SEC-CLK | Data shift clock for security ROM | O | 0 |
| 26 | SEC-DI | Security data | I | 0 |
| 27 | SEC-DO | Security data | O | 0 |
| 28 | SET-SEC1 | (Ground pull-down) | - | 0 |
| 29 | SET-TIME2 | (Vdd pull-up) | - | 4.9 |
| 30 | SET-TIME | (Vdd pull-up) | - | 4.9 |
| 31 | P.CONT | COM8V power switch | O | 4.8 |
| 32 | ACC CNT | ACC 5V power switch | O | 4.9 |
| 33 | STB | Power amp. Stand-by | O | 4.9 |
| 34 | LCD ON | LCD illumi. on/off | O | 4.9 |
| 35 | TUNER +B | Motor antenna power | O | 4.9 |
| 36 | PLL-CE | PLL chip select | O | 0 |
| 37 | PLL-DO | PLL data | O | 0 |
| 38 | PLL-CLK | Shift clock for PLL data | O | 0 |
| 39 | PLL-DI | PLL data | I | 5.0 |
| 40 | VSS | Ground | - | 0 |
| 41 | VDD | +5V power supply | - | 4.9 |
| 42 | AREA | (Ground pull-down) | - | 0 |
| 43 | ST-IND | FM stereo detection | I | 0.3 |
| 44 | CA.PON | Tape power control | O | 4.9 |
| 45 | CM.PON | Tape power control | O | 4.9 |
| 46 | M2 | Main motor control | O | 0 |
| 47 | M1A | Loading motor control | O | 0 |
| 48 | M1B | Loading motor control | O | 0 |
| 49 | T.IN | Tape-in detection | I | 0 |
| 50 | MSM | MS gain contrl | O | 4.9 |
| 51 | A/B | Tape side detection | I | 0 |
| 52 | M2F | Main motor control | O | 0 |
| 53 | EQ(MTL) | Metal tape mode selection | O | 4.9 |
| 54 | F/R | Tape head change | O | 0 |
| 55 | DOLBY | Dolby NR on/off | O | 4.9 |
| 56 | T.LOAD | Tape loading detection | I | 0 |
| 57 | MS(PL/FF) | MS mode selection | O | 0 |
| 58 | MS | MS detection | I | 0 |
| 59 | REMO3/4 | (Ground pull-down) | - | 0 |
| 60 | H.BUSOUT | Not used | - | - |
| 61 | NAVI-IN | (Vdd pull-up) | - | 4.8 |
| 62 | NC | No connection | - | - |
| 63 | NC | No connection | - | - |
| 64 | NAVI-MUTE | Not used | - | - |
| 65 | BIT1 | Tape mode switch | I | 4.6 |
| 66 | END.A | Tape end signal | I | 1.5 |
| 67 | END.B | Tape end signal | I | 2.4 |
| 68 | BIT2 | Tape mode switch | I | 4.6 |
| 69 | EQ | Metal/Normal switchl | I | 0 |
| 70 | BIT3 | Tape mode switch | I | 0 |
| 71 | NC | No connection | - | - |
| 72 | NC | No connection | - | - |
| 73 | IC/VPP | (Connecting to ground) | - | 0 |
| 74 | REMO | Remote control signal | O | 5.0 |
| 75 | SW.A | Audio signal switch | O | 0 |
| 76 | SW.B | Audio signal switch | O | 0 |
| 77 | MUTE | Not used | - | - |
| 78 | NC | No connection | - | - |
| 79 | NC | No connection | - | - |
| 80 | VSM | Phase diff. level detection | I | 0.6 |
| 81 | AMP MUTE | Power amp mute | O | 0 |
| 82 | AVDD | +5V power supply | - | 4.9 |
| 83 | AVREF1 | Analog reference voltage | I | 5.0 |
| 84 | AVSS | Ground | - | 0 |
| 85 | NC | (Connecting to ground) | - | 0 |
| 86 | NC | No connection | - | - |
| 87 | ACC-DET | ACC level detection | I | 4.5 |
| 88 | TAPE EJ | Tape eject SW | I | 4.6 |
| 89 | H.BUS.IN | Not used | - | 4.8 |
| 90 | GAIN | (+5V pull-up) | - | 4.8 |
| 91 | IDCEJECT | CD disc eject SW | I | 4.7 |
| 92 | BAT-DET | Battery level detection | I | 4.5 |
| 93 | EJ.INH | Tape/Disc eject SW | I | 4.4 |
| 94 | IDC-SI | CD.C serial data | O | 4.0 |
| 95 | RXO | Not used | - | 0 |
| 96 | TXO | Not used | - | 4.9 |
| 97 | IDC-CLK | Shift clock for CD.C data | O | 4.9 |
| 98 | IDC-SO | CD.C data | O | 1.2 |
| 99 | CD-RESET | CD.C reset | O | 4.9 |
| 100 | CDON | CD.C controller enable | O | 4.9 |

**Note :**

Voltage measuerments are with respect to ground, with a voltmeter (Internal resistance : 10M ohms.)

## 8.2. Display Block

**IC901 : YEAMLC75853**

| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 1, 2 | S1, 2 | Disc LED on/off | O | 0 |
| 3 | S3 | Not used | - | - |
| 4-40 | S4-40 | LCD segment data | O | 2.5 |
| 41-43 | COM1-3 | LCD common | O | 2.5 |
| 44 | S41 | LCD segment data | O | 2.5 |
| 45-49 | KS2-6 | Key strobe | O | 0.9 |
| 50-53 | KI1-4 | Key data | I | 0 |
| 54 | KI5 | (Connecting to ground) | - | 0 |
| 55 | TEST | (Connecting to ground) | - | 0 |
| 56 | VDD | +5V power supply | - | 5.1 |
| 57 | VDD1 | LCD angle | - | 3.3 |
| 58 | VDD2 | LCD angle | - | 1.7 |
| 59 | VSS | Ground | - | 0 |
| 60 | OSC | Oscillator terminal | - | 3.9 |

| | | | | |
|---|---|---|---|---|
| 61 | DO | Key data output | O | 4.1 |
| 62 | CE | LCD driver chip enable | I | 0 |
| 63 | CL | Shift clock for LCD data | I | 0 |
| 64 | DI | LCD data input | I | 0 |

# 8.3. CD Servo Block

**IC201 : MN662783RPW**

| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 1 | VDD | +5V power supply | - | 5.0 |
| 2 | D0 | D-RAM data | I/O | 2.3 |
| 3 | D1 | D-RAM data | I/O | 1.8 |
| 4 | /WE | D-RAM data write | O | 4.9 |
| 5 | /RAS | D-RAM row address strobe | O | 3.4 |
| 6 | D2 | D-RAM data | I/O | 0.8 |
| 7 | D3 | D-RAM data | I/O | 0 |
| 8 | /CAS0 | D-RAM columun address strobe | O | 3.9 |
| 9 | /CAS1 | D-RAM columun address strobe | O | 0 |
| 10 | A8 | D-RAM address | O | 0.6 |
| 11 | A7 | D-RAM address | O | 1.1 |
| 12 | A6 | D-RAM address | O | 0.7 |
| 13 | A5 | D-RAM address | O | 0 |
| 14 | A4 | D-RAM address | O | 1.1 |
| 15 | A9 | D-RAM address | O | 0.4 |
| 16 | A0 | D-RAM address | O | 1.0 |
| 17 | A1 | D-RAM address | O | 1.0 |
| 18 | A2 | D-RAM address | O | 1.0 |
| 19 | A3 | D-RAM address | O | 0 |
| 20 | VSS2 | Ground | - | 0 |
| 21 | VDD2 | +5V power supply | - | 5.0 |
| 22,23 | - | Not used | - | - |
| 24 | TVD | Traverse motor control | O | 2.5 |
| 25 | PC | Not used | - | - |
| 26 | ECS | Spindle motor control | O | 2.4 |
| 27 | TRD | Tracking coil drive | O | 2.5 |
| 28 | FOD | Focus coil drive | O | 2.4 |
| 29 | FBAL | Focus balance | O | 1.9 |
| 30 | TBAL | Tracking balance | O | 3.0 |
| 31 | VREF | Reference voltage | I | 2.5 |
| 32 | FE | Focus error | I | 2.5 |
| 33 | TE | Tracking error | I | 2.5 |
| 34 | RFENV | RF envelope | I | 2.5 |
| 35 | OFT | Off track signal | I | 0 |
| 36 | /RFDET | RF detecting signal | I | 0 |
| 37 | BDO | Drop-out signal | I | 0 |
| 38 | LDON | Laser on signal | O | 4.5 |
| 39 | ARF | RF signal | I | 2.5 |
| 40 | IREF | Reference current input | I | 1.2 |
| 41 | DRF | Biase for DSL | I | 2.4 |
| 42 | DSLF | Loop filter for DSL | I/O | 2.5 |
| 43 | SDLF2 | Loop filter for DSL | I/O | 2.2 |
| 44 | PLLF | Loop filter for PLL | I/O | 1.4 |
| 45 | VCOF | Not used | - | - |
| 46 | AVDD2 | +5V power supply | - | 5.0 |
| 47 | AVSS2 | Ground | - | 0 |
| 48 | OUTL | L channel output | O | 2.3 |
| 49 | AVSS1 | Ground | - | 0 |
| 50 | OUTR | R channel output | O | 2.3 |
| 51 | AVDD1 | +5V power supply | - | 4.7 |
| 52-54 | - | (Connecting to ground) | - | 0 |
| 55 | FLAG | Flag output | O | 0 |
| 56 | FCLK | Frame clock | O | 0 |
| 57-59 | - | Not used | - | - |
| 60 | TX | Not used | - | - |
| 61 | MCLK | Clock for I/F command | I | 1.0 |
| 62 | MDATA | Data for I/F command | I | 3.1 |
| 63 | MLD | I/F command load | I | 5.0 |
| 64 | BLKCK | Subcode block clock | O | 0 |
| 65 | SQCK | Ext. clock for sub code-Q | I | 5.0 |
| 66 | SUBQ | Code for sub. code-Q | O | 3.8 |
| 67 | DMUTE | Mute input | I | 0 |
| 68 | STAT | Status signal | O | 5.0 |
| 69 | /RST | Reset input | I | 5.0 |
| 70 | CSEL | (Connecting to ground) | - | 0 |
| 71 | PMCK | PM clock | O | 2.5 |
| 72 | SMCK | SM clock | O | 2.5 |
| 73 | SUBC | Serial data of sub code | O | 0 |
| 74 | SBCK | Shift clock for SUBC | I | 0.6 |
| 75 | /CLDCK | Not used | - | - |
| 76 | /TEST | (Connecting to VDD) | - | 5.0 |
| 77 | X1 | Crystal oscillator | - | 0.4 |
| 78 | X2 | Crystal oscillator | - | 3.2 |
| 79 | VDD1 | +5V power supply | - | 5.0 |
| 80 | VSS1 | Ground | - | 0 |

**IC301 : MN1873260AB4**

| Pin No. | Port | Description | I/O | (V) |
|---|---|---|---|---|
| 1 | VDD | +5V power supply | - | 5.0 |
| 2 | OSC2 | Crystal oscillator | - | 2.2 |
| 3 | OSC1 | Crystal oscillator | - | 2.1 |
| 4 | VSS | Ground | - | 0 |
| 5 | XI | (Connecting to ground) | - | 0 |
| 6 | XO | Not used | - | - |
| 7 | CM | (Connecting to ground) | - | 0 |
| 8 | VREFH | Reference voltage | I | 5.0 |
| 9 | SW13 | Shuter SW | I | 4.9 |
| 10 | SW12 | Horizontal origin | I | 4.9 |
| 11 | SW11 | Clump SW | I | 0 |
| 12 | SW10 | Play SW | I | 0 |
| 13 | SW4 | Shuter SW | I | 4.9 |
| 14 | SW3 | Tray origin SW | I | 0 |
| 15 | SW2 | Inner SW | I | 4.8 |
| 16 | SW1 | Outer SW | I | 4.9 |
| 17 | VREFL | Reference voltage | I | 0 |
| 18 | /RESET | Reset input | I | 4.9 |
| 19 | - | (Ground pull-down) | - | 0 |
| 20 | SCKM | Clock for serial data | I | 5.0 |
| 21 | SIM | CD changer serial data | I | 1.3 |
| 22 | SOM | CD changer serial data | O | 4.3 |
| 23 | SQCK | Ext. clock for sub. code-Q | O | 5.0 |
| 24 | SUBQ | Code for sub. code-Q | I | 1.6 |
| 25 | - | Not used | - | 5.0 |
| 26 | - | (Ground pull-down) | - | 0 |
| 27 | CD.ON | CD changer start/stop | I | 5.0 |
| 28 | - | Not used | - | 5.0 |
| 29 | BLKCK | Sub. code block clock | I | 0 |
| 30 | P.ON | Not used | - | 5.0 |
| 31 | MUTE | Mute output | O | 5.0 |
| 32 | - | (Ground pull-down) | - | 0 |
| 33 | SENS | Servo status | O | 0 |
| 34 | CLVS | Servo status | O | 5.0 |
| 35 | FLOCK | Focus servo lock | O | 0.2 |
| 36 | TLOCK | Tracking servo lock | O | 0 |
| 37 | VMI | Horizontal motor control | O | 2.5 |
| 38 | HMI | Vertical motor control | O | 0 |
| 39 | HVMUTE | H/V motor mute | O | 0 |
| 40-42 | - | (Ground pull-down) | - | 0 |
| 43 | SW9 | Disc-in (B) SW | I | 0 |
| 44 | SW8 | Disc-in (L) SW | I | 0 |
| 45 | SW7 | Disc-in (F) SW | I | 0 |
| 46 | SW6 | Disc push SW | I | 0 |

| | | | | |
|---|---|---|---|---|
| 47 | SW5 | Tray hight SW | I | 4.5 |
| 48 | BDO | Drop-out signal | I | 0 |
| 49 | DQSY | Not used | - | - |
| 50 | /RST | Reset output | O | 5.0 |
| 51 | STAT | Status signal | I | 2.1 |
| 52 | DMUTE | Mute output | O | 0 |
| 53 | XE | Not used | - | - |
| 54 | P.DOWN | Power down signal | O | 0 |
| 55 | - | No connection | - | - |
| 56 | MLD | I/F command load | O | 5.0 |
| 57 | MDATA | Data for I/F command | O | 3.1 |
| 58 | MCLK | Clock for I/F command | O | 4.1 |
| 59 | SPMT | Spindle mute | O | 5.0 |
| 60 | MUTE12 | Focus/Tracking mute | O | 0 |
| 61 | MUTE4 | Loading motor mute | O | 4.8 |
| 62 | LDOI | Loading motor control | I/O | 2.5 |
| 63 | TRV | Forced traverse control | I/O | 2.4 |
| 64 | SYNC | Not used | - | - |

# 9 ALIGNMENT INSTRUCTIONS

## 9.1. Alignment Conditions

- Power Supply Voltage : DC13.2V
- Output Impedance : 4Ω
- Output Power : 0.5W
- Balance, Fader Control : center
- Bass, Treble Control : Center
- Dolby NR: OFF

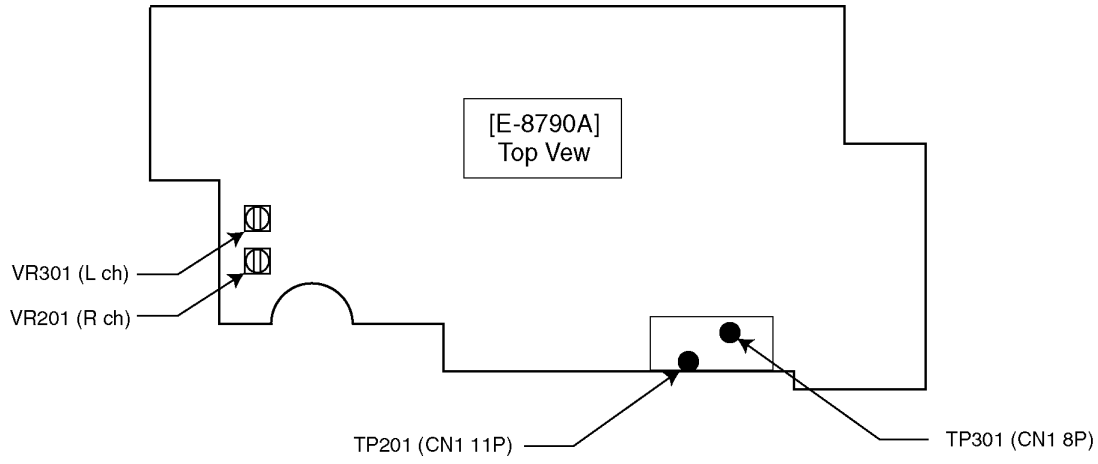
**Note :**

**Do not align the FM/AM package block. When the package block is necessary, it will be supplied already aligned at the factory.**

## 9.2. Dolby NR Alignment

| Step | Alignment Item | Test Tape | VTVM Connection | Adjust | Remarks |
|---|---|---|---|---|---|
| (1) | DOLBY NR Rch | RFKZ0038 | TP201 | VR201 | Adjust for 388mV ±1.0dB |
| (2) | DOLBY NR Lch | RFKZ0038 | TP301 | VR301 | Adjust for 388mV ±1.0dB |

# 10 ALIGNMENT POINTS



# 11 CD DISC CENTERING ALIGNMENT

・This adjustment is for assuring that compact discs will be placed in the center of the turntable.

<Adjustment Condition / Jig>

・Power Supply Voltage : 13.2V

・Test Disc : TCD-792A

<Adjustment Procedures>

1. Attach the adjusting screw to the upper chassis (See Figure 1.).
2. Insert the test CD (TCD-792A) into the disc No.1 position and play it.
3. After checking whether the disc is centered on the turntable, turn the adjusting screw unit it is in the center.

<Check Items>

・Check that the disc is correctly centered.

・Check that the disc is securely clamped.

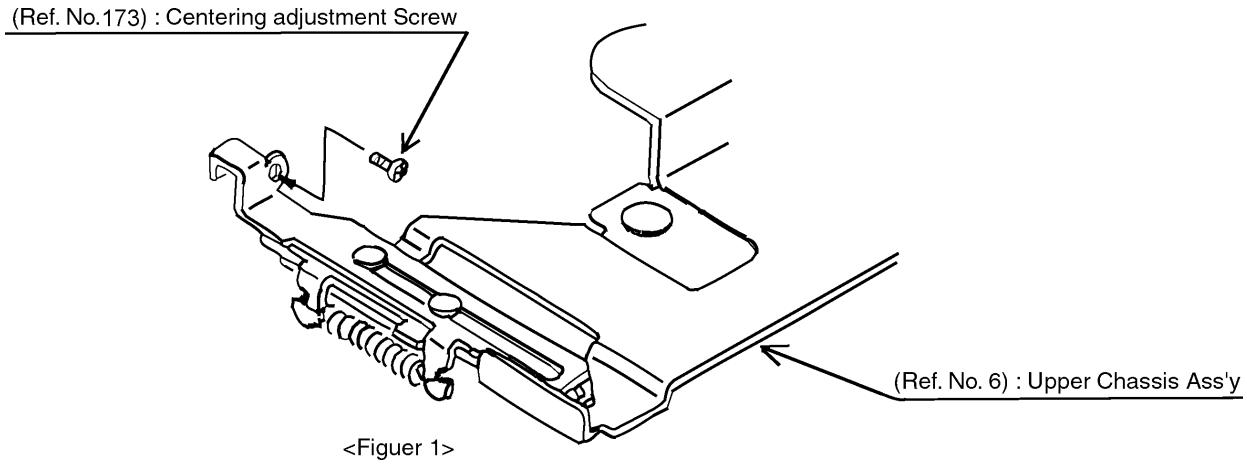
・Check that no abnormal noise is produced when clamping the disc.

[Directions of Turning the Adjusting Screw]

・CD stops before its proper position : Turn the screw counterclockwise.

・CD overruns : Turn the screw clockwise.

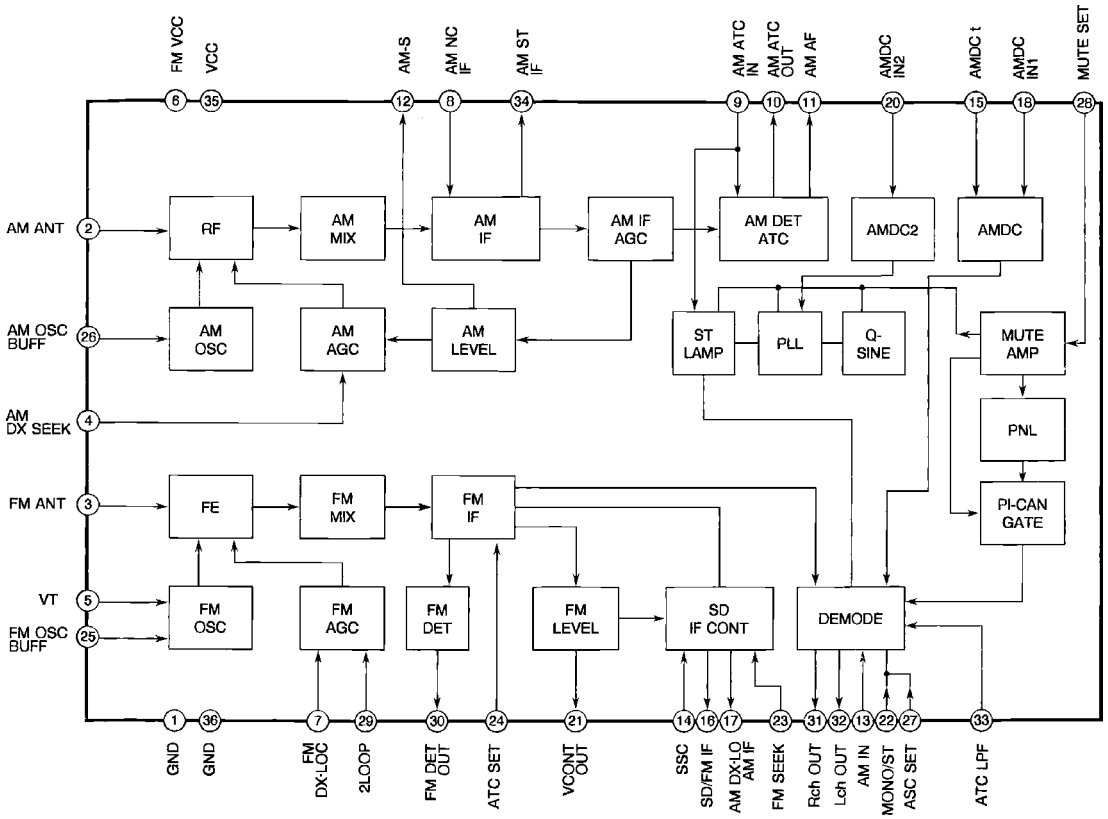
4. After the adjustment, lock the screw.



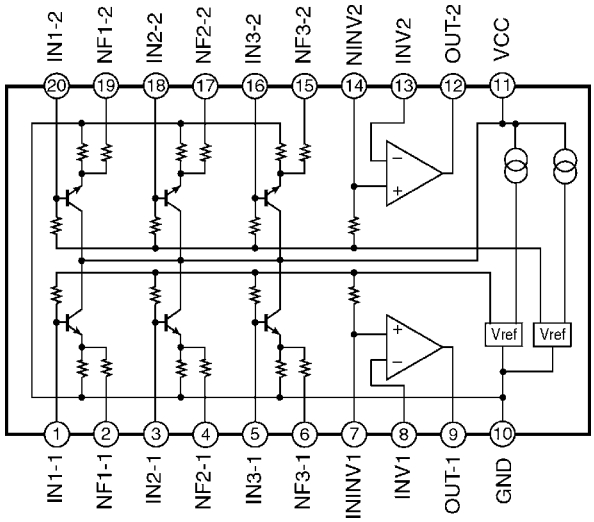

<Figuer 1>

# 12 PACKAGE AND IC BLOCK DIAGRAM

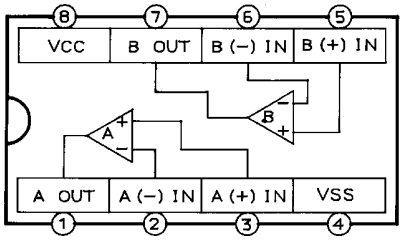
## 12.1. Main Block



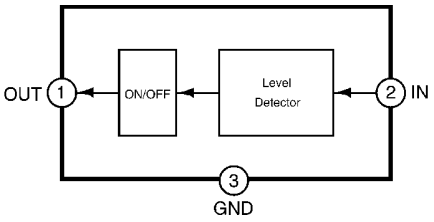

PK50 : YEP0PTA514B0



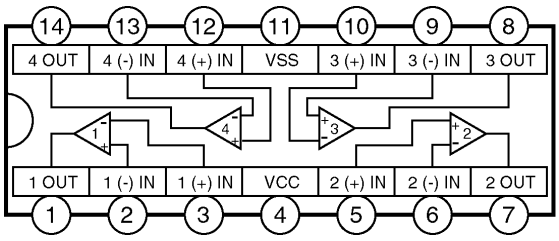

IC202,203 : YEAMM5243FT1



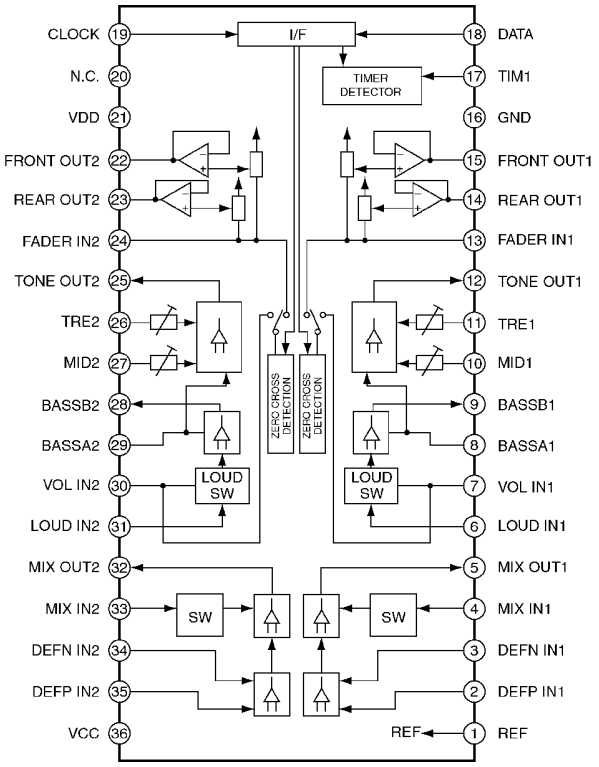

IC305,612,921 : C0ABBB000179



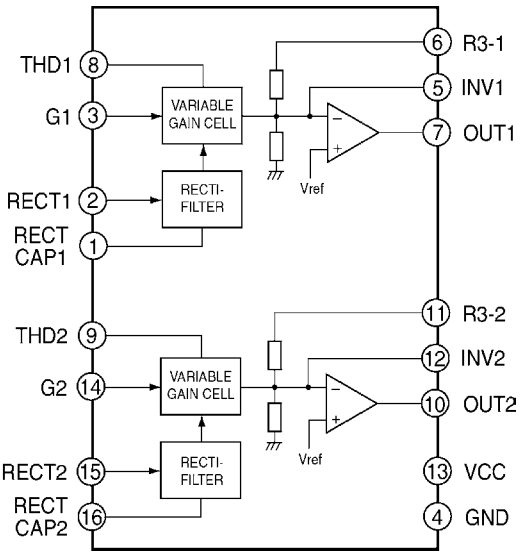

IC602 : MN1382KTX



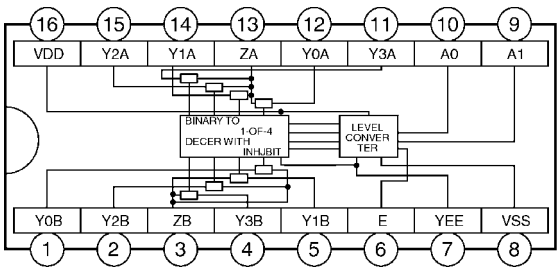

IC301,304 : C0ABCB000038



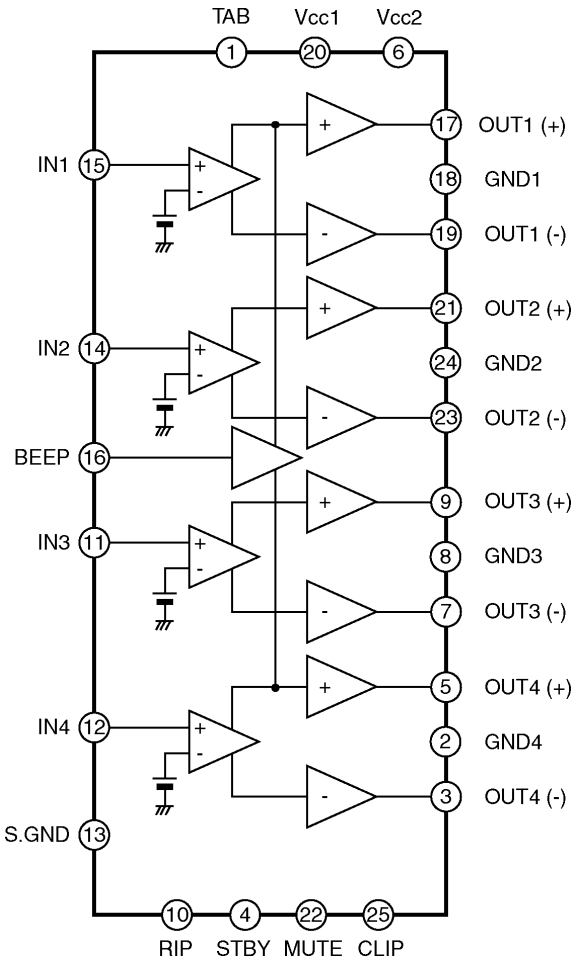

IC201 : C1BB00000284



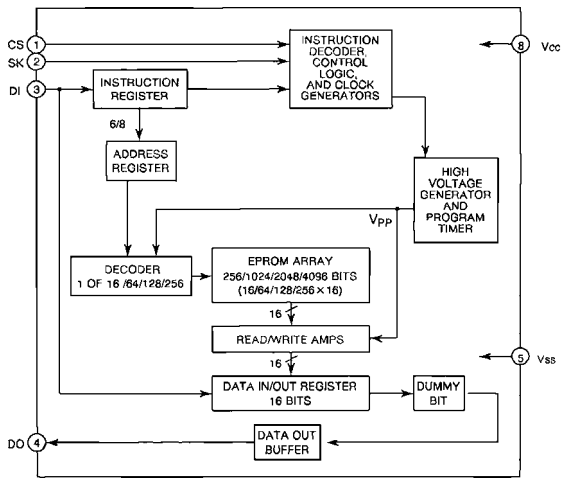

IC302,303 : YEAMSA571D


16 15 14 13 12 11 10 9
VDD Y2A Y1A ZA Y0A Y3A A0 A1
BINARY TO 1-OF-4 DECER WITH INHIBIT
LEVEL CONVER TER
Y0B Y2B ZB Y3B Y1B E YEE VSS
1 2 3 4 5 6 7 8

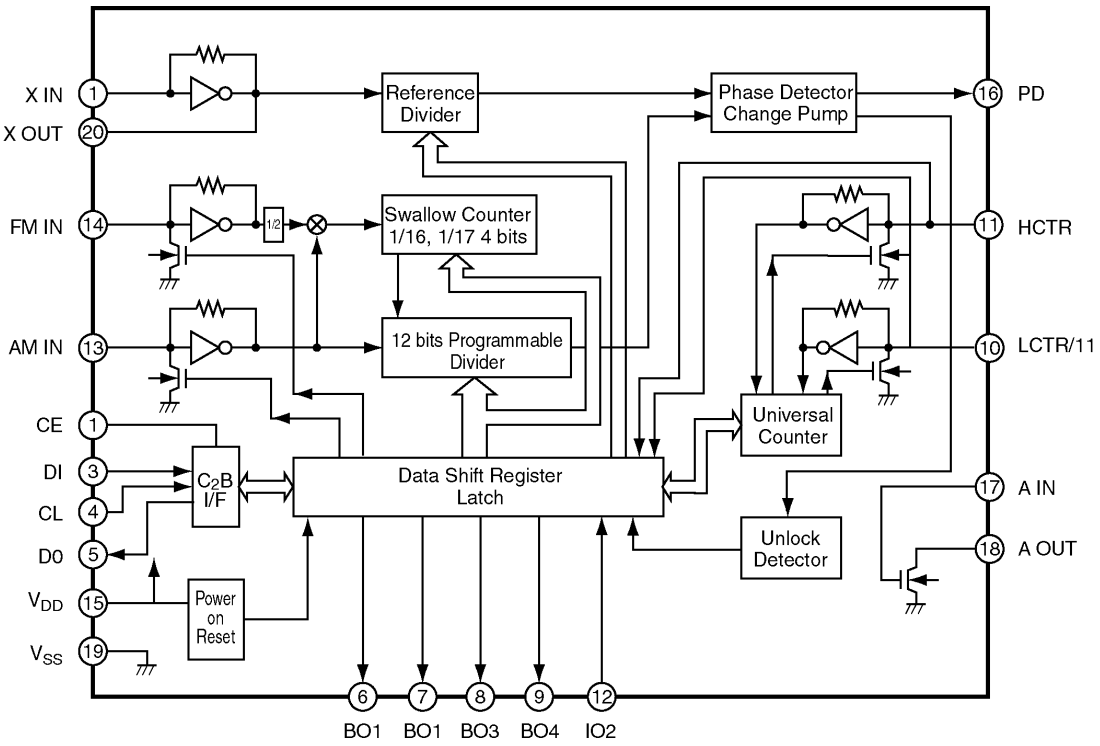
IC306 : YEAMPD4052T2



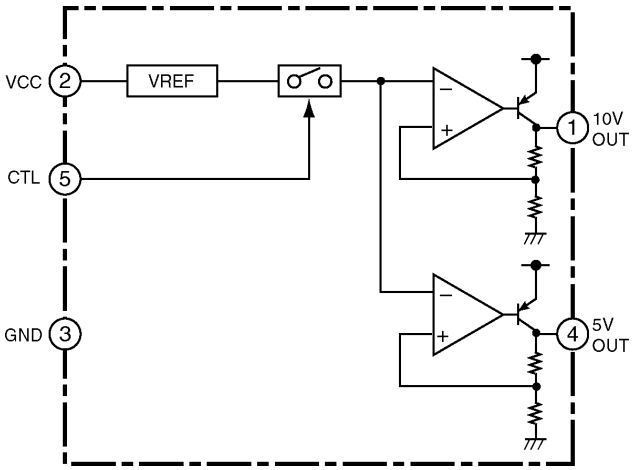

IC310 : C1BA00000332



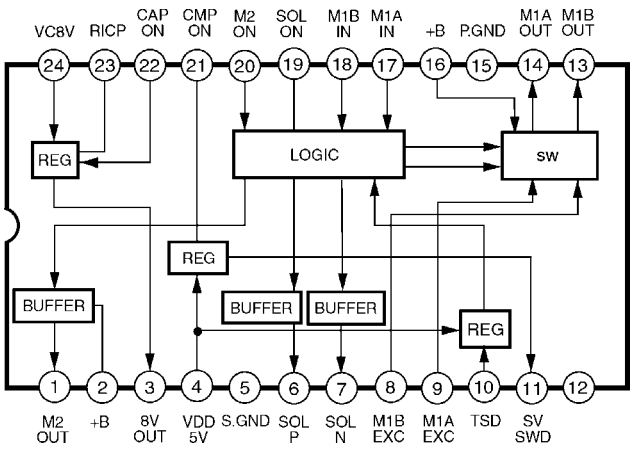

IC603 : C3EBCG000037



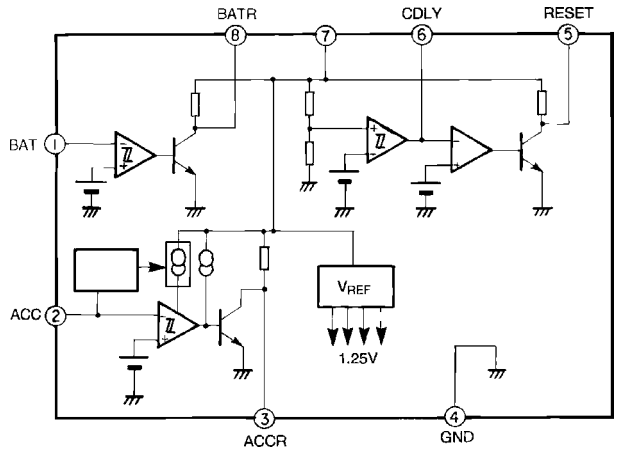

IC611 : YEAMLC72135C




IC701 : YEAMA61W12ST

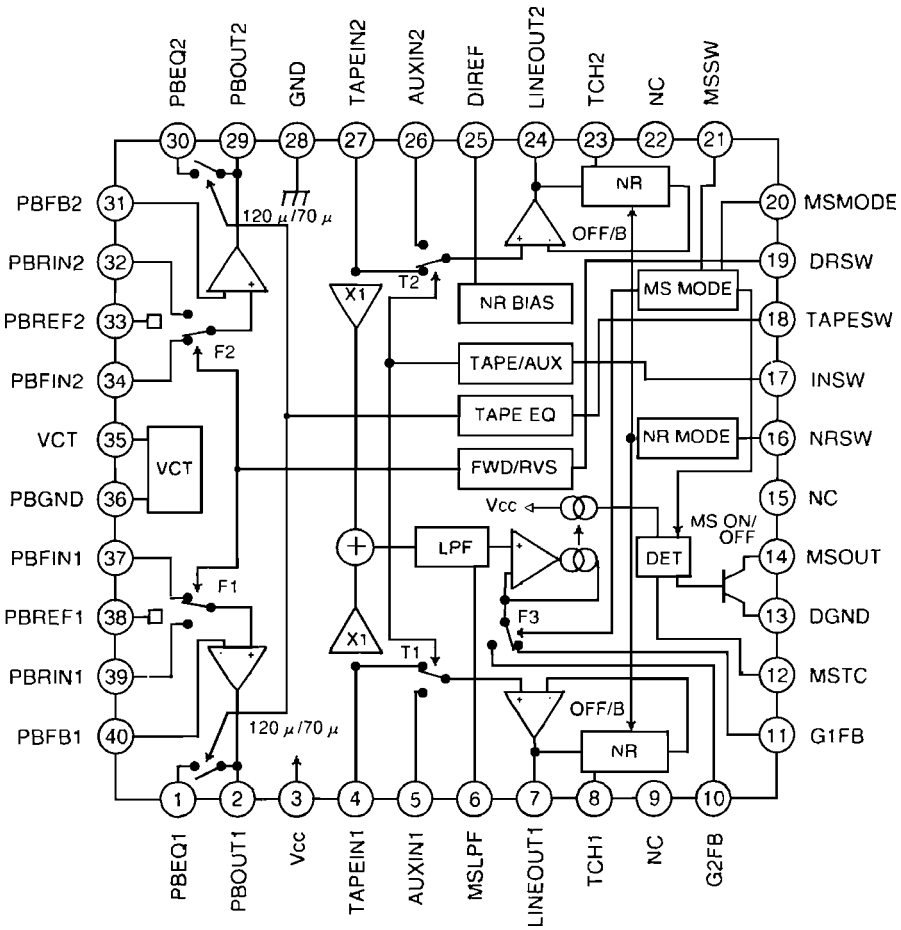



IC961 : AN6277NK



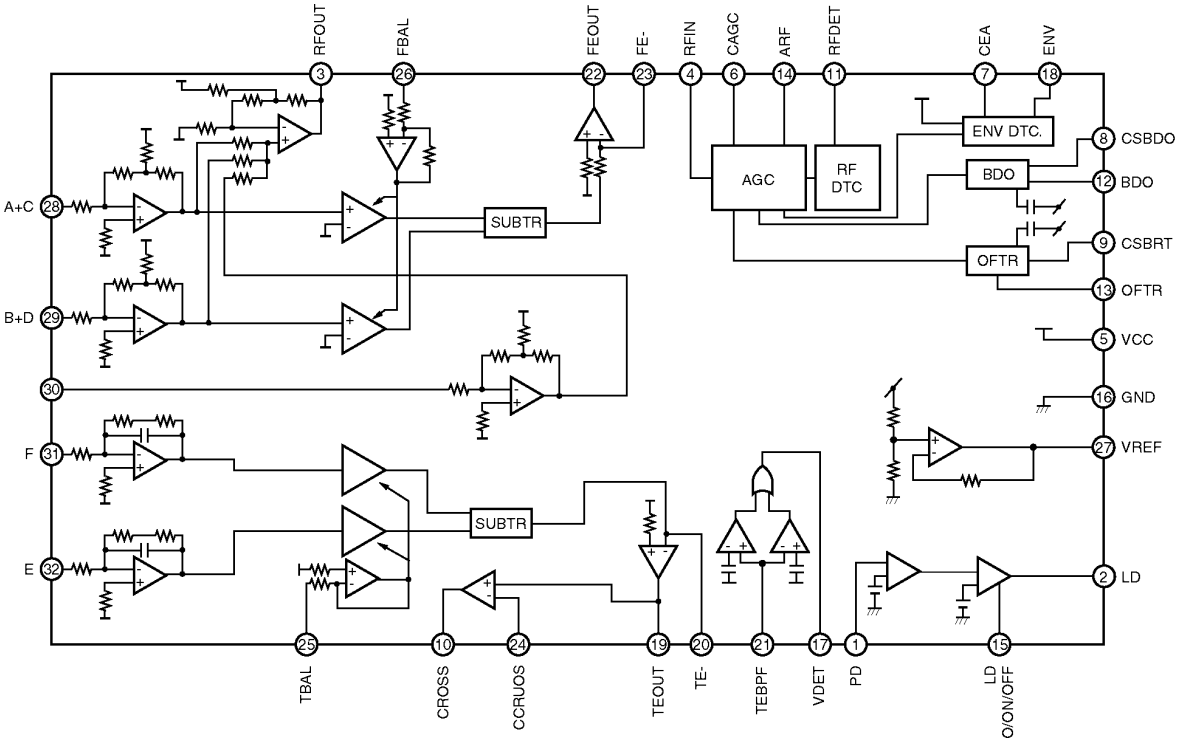

IC702 : AN8065SE1

## 12.2. Tape Block

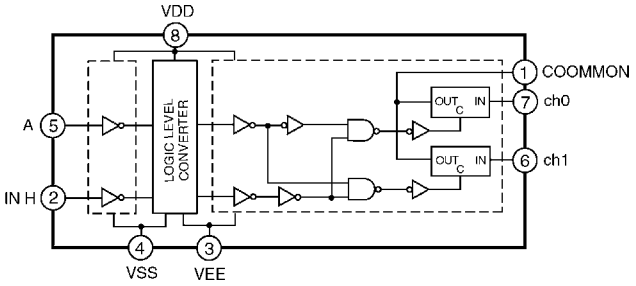



IC1 : YEAMCXA2565Q

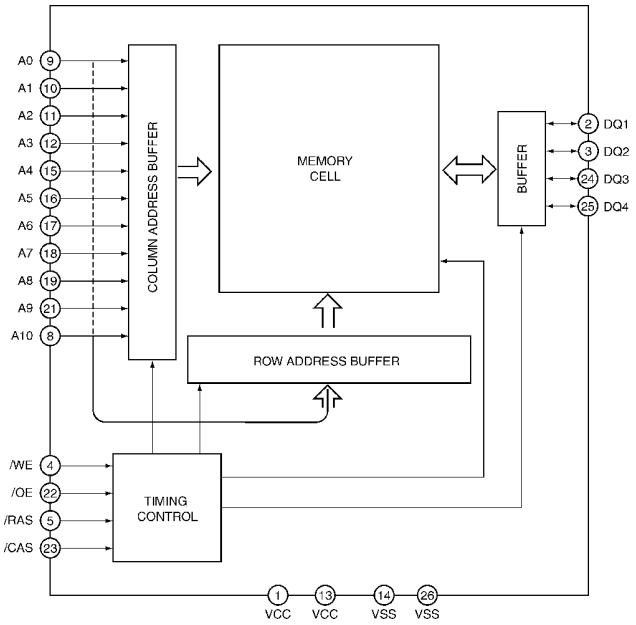
## 12.3. CD Servo Block



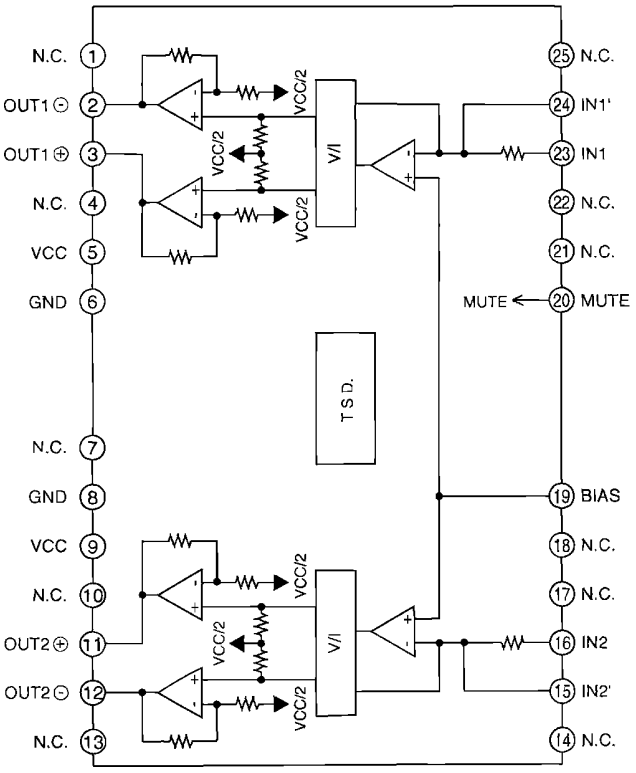

IC101 : C1BB00000173



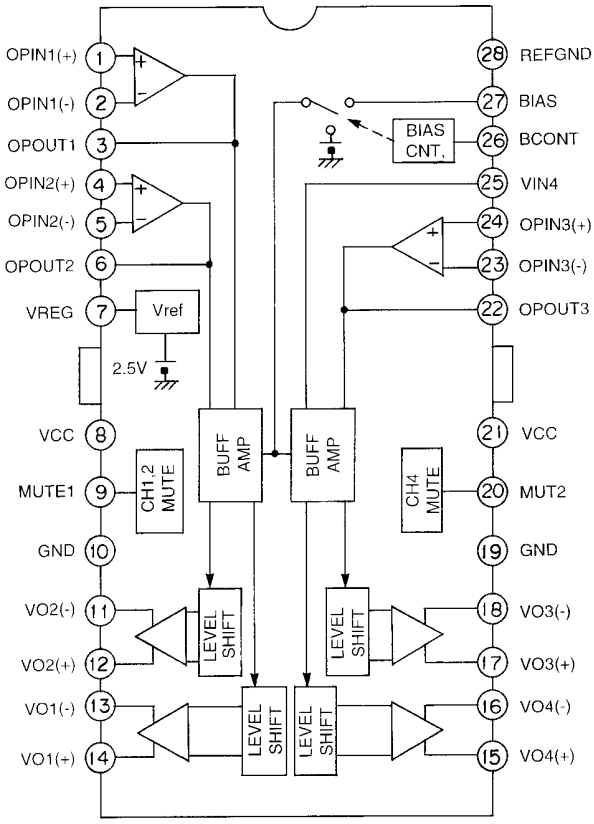

IC603 : YEAMT4W53FUL



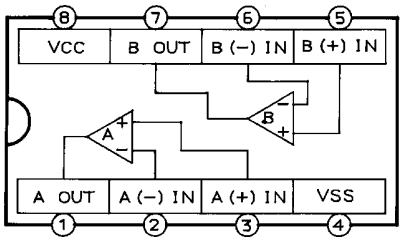

IC202 : C3ABMB000010




IC401 : YEAMBA6792FY




IC601 : C0GBY0000004




IC501 : YEAMPC358G2T

# 13 REPLACEMENT PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer´s specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
5. "MCC" marks in remarks column are indicated supply parts of Matsushita Communication Industrial Corp. of America (MCC).

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| [E6864B] Main Block | | | |
| IC´s and TRANSISTORs | | | |
| IC201 | C1BB00000284 | IC | |
| IC202 | YEAMM5243FT1 | IC | |
| IC203 | YEAMM5243FT1 | IC | |
| IC301 | C0ABCB000038 | IC | |
| IC302 | YEAMSA571D | IC | |
| IC303 | YEAMSA571D | IC | |
| IC304 | C0ABCB000038 | IC | |
| IC305 | C0ABBB000179 | IC | |
| IC306 | YEAMPD4052T2 | IC | |
| IC310 | C1BA00000332 | IC | |
| IC601 | C2CBHG000077 | IC | |
| IC602 | MN1382KTX | IC | |
| IC603 | C3EBCG000037 | IC | |
| IC611 | YEAMLC72135C | IC | |
| IC612 | C0ABBB000179 | IC | |
| IC701 | YEAMA61W12ST | IC | |
| IC702 | AN8065SE1 | IC | |
| IC921 | C0ABBB000179 | IC | |
| IC961 | AN6277NK | IC | |
| PK50 | YEP0PTA514B0 | Electronic Tuner | |
| Q51 | B1GBCFJJ0002 | Transistor | |
| Q381 | YEANC114YKX | Transistor | |
| Q382 | YEANC114YKX | Transistor | |
| Q602 | YEANC114YKX | Transistor | |
| Q704 | 2SB1398QTA | Transistor | |
| Q705 | YEANC114YKX | Transistor | |
| Q707 | 2SD2139TA | Transistor | |
| Q721 | YEANBP1F3PT | Transistor | |
| Q722 | YEANBP1F3PT | Transistor | |
| Q731 | 2SB1398QTA | Transistor | |
| Q732 | YEANC114YKX | Transistor | |
| Q745 | B1BBAC000007 | Transistor | |
| Q751 | 2SB1398QTA | Transistor | |
| Q752 | B1GDJEGJ0002 | Transistor | |
| Q753 | YEAN2SD1856 | Transistor | |
| Q754 | 2SD0601AHR | Transistor | |
| Q755 | YEANBP1F3PT | Transistor | |
| Q756 | B1GBCFJJ0002 | Transistor | |
| Q757 | 2SB1398QTA | Transistor | |
| Q758 | B1GDJEGJ0002 | Transistor | |
| Q759 | YEANC114YKX | Transistor | |
| Q921 | B1ACJC000004 | Transistor | |
| Q922 | YEANC114YKX | Transistor | |
| | | | |
| | | | |
| DIODEs | | | |
| D103 | MA142WKTX | Diode | |
| D601 | MA142WATX | Diode | |
| D602 | MA142WKTX | Diode | |
| D650 | MA3X152K0L | Diode | |
| D651 | MA142WKTX | Diode | |
| D652 | MA142WKTX | Diode | |
| D653 | MA142WKTX | Diode | |
| D701 | YEADZSA5A27F | Diode | |
| D702 | YEADEC10DS1 | Diode | |
| D703 | YEADEC10DS1 | Diode | |
| D704 | MA158TX | Diode | |
| D706 | YEADRD91M1T2 | Diode | |
| D707 | YEADRD47M2T1 | Diode | |
| D741 | YEADRD56M3T1 | Diode | |
| D751 | YEADRD91M2T1 | Diode | |
| D752 | MA142WKTX | Diode | |
| D911 | MA3X152K0L | Diode | |
| D961 | MA142WATX | Diode | |
| | | | |
| | | | |
| CAPACITORs | | | |
| C51 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C52 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C53 | ECEA1AKS221I | Electrolytic, 220µF 10WV | |
| C54 | YECUS1C154KX | Ceramic, 0.15µF 16WV | |
| C55 | YECUS1H153KX | Ceramic, 0.015µF 50WV | |
| C56 | YECUS1C683KX | Ceramic, 0.068µF 16WV | |
| C57 | YECUS1H153KX | Ceramic, 0.015µF 50WV | |
| C58 | ECEA1CKS100I | Electrolytic, 10µF 16WV | |
| C59 | YECUS1E223KX | Ceramic, 0.022µF 25WV | |
| C61 | YECUS1H101JM | Ceramic, 100PF 50WV | |
| C62 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C63 | YECUS1H151JM | Ceramic, 150PF 50WV | |
| C65 | YECUS1H273KX | Ceramic, 0.027µF 50WV | |
| C66 | YECUS1H273KX | Ceramic, 0.027µF 50WV | |
| C67 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C68 | ECEA1AKS221I | Electrolytic, 220µF 10WV | |
| C69 | YECUS1E223KX | Ceramic, 0.022µF 25WV | |
| C71 | F1J1H2R0A007 | Ceramic, 2PF 50WV | |
| C151 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C155 | YECUS1H183KX | Ceramic, 0.018µF 50WV | |
| C156 | YECUS1H183KX | Ceramic, 0.018µF 50WV | |
| C201 | ECEA1HKSR22I | Electrolytic, 0.22µF 50WV | |
| C202 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C209 | ECEA1HKSR22I | Electrolytic, 0.22µF 50WV | |
| C211 | YECUS1E223KX | Ceramic, 0.022µF 25WV | |
| C212 | YECUS1E223KX | Ceramic, 0.022µF 25WV | |
| C213 | YECUS1H682KX | Ceramic, 6800PF 50WV | |
| C214 | YECUS1H332KX | Ceramic, 3300PF 50WV | |
| C215 | YECUS1E333KX | Ceramic, 0.033µF 25WV | |
| C216 | YECUS1H153KX | Ceramic, 0.015µF 50WV | |
| C217 | YECUS1H332KX | Ceramic, 3300PF 50WV | |
| C218 | YECUS1H332KX | Ceramic, 3300PF 50WV | |
| C219 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C220 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C221 | ECEA1CKS470I | Electrolytic, 47µF 16WV | |
| C222 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C224 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C225 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C227 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C228 | ECEA1CKS101I | Electrolytic, 100µF 16WV | |
| C229 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C230 | YECUV1E333KX | Ceramic, 0.033µF 25WV | |
| C231 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C232 | YECUS1H390JM | Ceramic, 39PF 50WV | |
| C233 | ECEA1HSN2R2I | Electrolytic, 2.2µF 50WV | |
| C234 | YECUS1H471JM | Ceramic, 470PF 50WV | |
| C235 | YECUV1C105KX | Ceramic, 1µF 16WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C236 | YECUS1H823KX | Ceramic, 0.082µF 50WV | |
| C237 | YECUS1C683KX | Ceramic, 0.068µF 16WV | |
| C238 | YECUS1C683KX | Ceramic, 0.068µF 16WV | |
| C239 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C240 | YECUV1C105KX | Ceramic, 1µF 16WV | |
| C241 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C243 | YECUS1E333KX | Ceramic, 0.033µF 25WV | |
| C244 | YECUS1C224KX | Ceramic, 0.22µF 16WV | |
| C246 | F1J1H182A509 | Ceramic, 1800PF 50WV | |
| C247 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C249 | YECUS1H821JM | Ceramic, 820PF 50WV | |
| C250 | YECUS1H562KX | Ceramic, 5600PF 50WV | |
| C252 | ECEA1CKS100I | Electrolytic, 10µF 16WV | |
| C253 | YECUS1H390JM | Ceramic, 39PF 50WV | |
| C254 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C255 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C257 | YECUS1C124KX | Ceramic, 0.12µF 16WV | |
| C258 | YECUV1C124KX | Ceramic, 0.12µF 16WV | |
| C259 | ECEA1HKSR22I | Electrolytic, 0.22µF 50WV | |
| C260 | ECEA1HKSR22I | Electrolytic, 0.22µF 50WV | |
| C261 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C263 | YECUS1E223KX | Ceramic, 0.022µF 25WV | |
| C264 | YECUS1C334KX | Ceramic, 0.33µF 16WV | |
| C266 | YECUS1H181JM | Ceramic, 180PF 50WV | |
| C267 | YECUS1C154KX | Ceramic, 0.15µF 16WV | |
| C268 | YECUS1H183KX | Ceramic, 0.018µF 50WV | |
| C269 | YECUS1H151JM | Ceramic, 150PF 50WV | |
| C272 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C273 | YECUS1H390JM | Ceramic, 39PF 50WV | |
| C274 | ECEA1HKS010I | Electrolytic, 1µF 50WV | |
| C275 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C277 | YECUS1C124KX | Ceramic, 0.12µF 16WV | |
| C278 | YECUS1C124KX | Ceramic, 0.12µF 16WV | |
| C301 | ECEA1HKSR22I | Electrolytic, 0.22µF 50WV | |
| C302 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C309 | ECEA1HKSR22I | Electrolytic, 0.22µF 50WV | |
| C311 | YECUS1E223KX | Ceramic, 0.022µF 25WV | |
| C312 | YECUS1E223KX | Ceramic, 0.022µF 25WV | |
| C313 | YECUS1H682KX | Ceramic, 6800PF 50WV | |
| C314 | YECUS1H332KX | Ceramic, 3300PF 50WV | |
| C315 | YECUS1E333KX | Ceramic, 0.033µF 25WV | |
| C316 | YECUS1H153KX | Ceramic, 0.015µF 50WV | |
| C317 | YECUS1H332KX | Ceramic, 3300PF 50WV | |
| C318 | YECUS1H332KX | Ceramic, 3300PF 50WV | |
| C319 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C320 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C321 | ECEA1CKS101I | Electrolytic, 100µF 16WV | |
| C322 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C324 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C325 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C327 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C328 | ECEA1CKS470I | Electrolytic, 47µF 16WV | |
| C329 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C330 | YECUV1E333KX | Ceramic, 0.033µF 25WV | |
| C331 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C332 | YECUS1H390JM | Ceramic, 39PF 50WV | |
| C333 | ECEA1HSN2R2I | Electrolytic, 2.2µF 50WV | |
| C334 | YECUS1H471JM | Ceramic, 470PF 50WV | |
| C335 | YECUV1C105KX | Ceramic, 1µF 16WV | |
| C336 | YECUS1H823KX | Ceramic, 0.082µF 50WV | |
| C337 | YECUS1C683KX | Ceramic, 0.068µF 16WV | |
| C338 | YECUS1C683KX | Ceramic, 0.068µF 16WV | |
| C339 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C340 | YECUV1C105KX | Ceramic, 1µF 16WV | |
| C341 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C343 | YECUS1E333KX | Ceramic, 0.033µF 25WV | |
| C344 | YECUS1C224KX | Ceramic, 0.22µF 16WV | |
| C346 | F1J1H182A509 | Ceramic, 1800PF 50WV | |
| C347 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C349 | YECUS1H821JM | Ceramic, 820PF 50WV | |
| C350 | YECUS1H562KX | Ceramic, 5600PF 50WV | |
| C352 | ECEA1CKS100I | Electrolytic, 10µF 16WV | |
| C353 | YECUS1H390JM | Ceramic, 39PF 50WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C354 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C355 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C357 | YECUS1C124KX | Ceramic, 0.12µF 16WV | |
| C358 | YECUS1C124KX | Ceramic, 0.12µF 16WV | |
| C359 | ECEA1HKSR22I | Electrolytic, 0.22µF 50WV | |
| C360 | ECEA1HKSR22I | Electrolytic, 0.22µF 50WV | |
| C361 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C363 | YECUS1E223KX | Ceramic, 0.022µF 25WV | |
| C364 | YECUS1C334KX | Ceramic, 0.33µF 16WV | |
| C366 | YECUS1H181JM | Ceramic, 180PF 50WV | |
| C367 | YECUS1C154KX | Ceramic, 0.15µF 16WV | |
| C368 | YECUS1H183KX | Ceramic, 0.018µF 50WV | |
| C369 | YECUS1H151JM | Ceramic, 150PF 50WV | |
| C372 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C373 | YECUS1H390JM | Ceramic, 39PF 50WV | |
| C374 | ECEA1HKS010I | Electrolytic, 1µF 50WV | |
| C375 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C377 | YECUS1C124KX | Ceramic, 0.12µF 16WV | |
| C378 | YECUS1C124KX | Ceramic, 0.12µF 16WV | |
| C441 | F1J1H182A509 | Ceramic, 1800PF 50WV | |
| C442 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C443 | YECUS1H821JM | Ceramic, 820PF 50WV | |
| C444 | YECUS1H331JM | Ceramic, 330PF 50WV | |
| C541 | F1J1H182A509 | Ceramic, 1800PF 50WV | |
| C542 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C543 | YECUS1H821JM | Ceramic, 820PF 50WV | |
| C544 | YECUS1H331JM | Ceramic, 330PF 50WV | |
| C601 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C602 | ECEA0JKS470I | Electrolytic, 47µF 6.3WV | |
| C603 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C604 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C605 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C606 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C607 | YECUS1H220JM | Ceramic, 22PF 50WV | |
| C608 | YECUS1H220JM | Ceramic, 22PF 50WV | |
| C609 | F1J1H200A025 | Ceramic, 20PF 50WV | |
| C610 | F1J1H200A025 | Ceramic, 20PF 50WV | |
| C611 | ECEA0JKS470I | Electrolytic, 47µF 6.3WV | |
| C612 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C619 | F1J1H120A034 | Ceramic, 12PF 50WV | |
| C620 | F1J1H120A034 | Ceramic, 12PF 50WV | |
| C621 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C622 | ECEA1ESN4R7 | Electrolytic, 4.7µF 25WV | |
| C623 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C624 | ECEA0JKS101I | Electrolytic, 100µF 6.3WV | |
| C625 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C632 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C696 | ECEA1CKS100I | Electrolytic, 10µF 16WV | |
| C697 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C699 | YECUS1C334KX | Ceramic, 0.33µF 16WV | |
| C700 | ECA1CM332 | Electrolytic, 3300µF 16WV | |
| C701 | ECEA1CKS100I | Electrolytic, 10µF 16WV | |
| C704 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C705 | ECEA0JKS101I | Electrolytic, 100µF 6.3WV | |
| C707 | ECEA1CPU222L | Electrolytic, 2200µF 16WV | |
| C708 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C709 | YECUS1C224KX | Ceramic, 0.22µF 16WV | |
| C710 | EEAFC1A820H | Electrolytic, 82µF 10WV | |
| C711 | YECUS1C224KX | Ceramic, 0.22µF 16WV | |
| C712 | EEAFC1A820H | Electrolytic, 82µF 10WV | |
| C713 | YECUV1C104KX | Ceramic, 0.1µF 16WV | |
| C714 | ECEA1AKS221I | Electrolytic, 220µF 10WV | |
| C715 | ECA1AM221I | Electrolytic, 220µF 10WV | |
| C716 | YECUS1C224KX | Ceramic, 0.22µF 16WV | |
| C717 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C718 | F1J1C1050013 | Ceramic, 1µF 16WV | |
| C721 | ECEA0JKS331I | Electrolytic, 330µF 6.3WV | |
| C722 | F4D551030003 | Electrolytic, 0.01F 5.5WV | |
| C723 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C724 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C725 | ECA0JM472 | Electrolytic, 4700µF 6.3WV | |
| C728 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C729 | YECUV1C104KX | Ceramic, 0.1µF 16WV | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C730 | YECUV2A103KX | Ceramic, 0.01µF 100WV | |
| C732 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C740 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C741 | ECEA1AKS221I | Electrolytic, 220µF 10WV | |
| C742 | ECEA1CKS100I | Electrolytic, 10µF 16WV | |
| C743 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C744 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C751 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C752 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C753 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C754 | ECEA1EKS4R7I | Electrolytic, 4.7µF 25WV | |
| C756 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C780 | ECEA1AKS221I | Electrolytic, 220µF 10WV | |
| C784 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C785 | ECEA0JKS101I | Electrolytic, 100µF 6.3WV | |
| C786 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C793 | YECUS1H273KX | Ceramic, 0.027µF 50WV | |
| C794 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C795 | ECEA1CKS470I | Electrolytic, 47µF 16WV | |
| C797 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C798 | ECEA1AKS221I | Electrolytic, 220µF 10WV | |
| C799 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C911 | ECEA1CKS100I | Electrolytic, 10µF 16WV | |
| C912 | ECEA1HKS2R2I | Electrolytic, 2.2µF 50WV | |
| C921 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C961 | ECEA1AKS221I | Electrolytic, 220µF 10WV | |
| C962 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C963 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C964 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C965 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C966 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C967 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C968 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C969 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C970 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C972 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C974 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C975 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| | | | |
| | | | |
| RESISTORs | | | |
| | | | |
| J702 | ERJ8GEY0R00V | Chip, 0Ω 1/8W | |
| J703 | ERJ8GEY0R00V | Chip, 0Ω 1/8W | |
| R51 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R52 | ERJ6GEYJ272 | Chip, 2.7kΩ 1/10W | |
| R53 | ERJ6GEYJ334 | Chip, 330kΩ 1/10W | |
| R54 | ERJ6GEYJ153 | Chip, 15kΩ 1/10W | |
| R55 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R56 | ERJ6GEYJ183 | Chip, 18kΩ 1/10W | |
| R57 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R58 | ERJ6GEYJ183 | Chip, 18kΩ 1/10W | |
| R60 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R61 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R62 | ERJ6GEYJ101 | Chip, 100Ω 1/10W | |
| R63 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R64 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R65 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R66 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R155 | ERJ6GEYJ272 | Chip, 2.7kΩ 1/10W | |
| R156 | ERJ6GEYJ272 | Chip, 2.7kΩ 1/10W | |
| R157 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R158 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R201 | ERJ6GEYJ822 | Chip, 8.2kΩ 1/10W | |
| R202 | ERJ6GEYJ433 | Chip, 43kΩ 1/10W | |
| R204 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R205 | ERJ6GEYJ822 | Chip, 8.2kΩ 1/10W | |
| R206 | ERJ6GEYJ332 | Chip, 3.3kΩ 1/10W | |
| R207 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R210 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R211 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R212 | ERJ6GEYJ562 | Chip, 5.6kΩ 1/10W | |
| R213 | ERJ6GEYJ562 | Chip, 5.6kΩ 1/10W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R214 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R215 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R216 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R217 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R218 | ERJ6GEYJ562 | Chip, 5.6kΩ 1/10W | |
| R219 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R220 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R221 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R222 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R223 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R224 | ERJ6GEYJ124 | Chip, 120kΩ 1/10W | |
| R225 | ERJ6GEYJ184 | Chip, 180kΩ 1/10W | |
| R226 | ERJ6GEYJ184 | Chip, 180kΩ 1/10W | |
| R228 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R230 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R235 | ERJ6GEYJ124 | Chip, 120kΩ 1/10W | |
| R236 | ERJ6GEYJ124 | Chip, 120kΩ 1/10W | |
| R241 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R242 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R243 | ERJ6GEYJ392 | Chip, 3.9kΩ 1/10W | |
| R244 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R246 | ERJ6GEYJ332 | Chip, 3.3kΩ 1/10W | |
| R247 | ERJ6GEYJ562 | Chip, 5.6kΩ 1/10W | |
| R248 | ERJ6GEYJ432 | Chip, 4.3kΩ 1/10W | |
| R249 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R250 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R257 | ERJ6GEYJ2R2 | Chip, 2.2Ω 1/10W | |
| R258 | ERJ6GEYJ2R2 | Chip, 2.2Ω 1/10W | |
| R261 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R262 | ERJ6GEYJ681 | Chip, 680Ω 1/10W | |
| R263 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R264 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R266 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R267 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R268 | ERJ6GEYJ432 | Chip, 4.3kΩ 1/10W | |
| R269 | ERJ6GEYJ152 | Chip, 1.5kΩ 1/10W | |
| R270 | ERJ6GEYJ392 | Chip, 3.9kΩ 1/10W | |
| R277 | ERJ6GEYJ2R2 | Chip, 2.2Ω 1/10W | |
| R278 | ERJ6GEYJ2R2 | Chip, 2.2Ω 1/10W | |
| R301 | ERJ6GEYJ822 | Chip, 8.2kΩ 1/10W | |
| R302 | ERJ6GEYJ433 | Chip, 43kΩ 1/10W | |
| R304 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R305 | ERJ6GEYJ822 | Chip, 8.2kΩ 1/10W | |
| R306 | ERJ6GEYJ332 | Chip, 3.3kΩ 1/10W | |
| R307 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R310 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R311 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R312 | ERJ6GEYJ562 | Chip, 5.6kΩ 1/10W | |
| R313 | ERJ6GEYJ562 | Chip, 5.6kΩ 1/10W | |
| R314 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R315 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R316 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R317 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R318 | ERJ6GEYJ562 | Chip, 5.6kΩ 1/10W | |
| R319 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R320 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R321 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R322 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R323 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R324 | ERJ6GEYJ124 | Chip, 120kΩ 1/10W | |
| R325 | ERJ6GEYJ184 | Chip, 180kΩ 1/10W | |
| R326 | ERJ6GEYJ184 | Chip, 180kΩ 1/10W | |
| R328 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R330 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R333 | ERJ6GEYJ124 | Chip, 120kΩ 1/10W | |
| R336 | ERJ6GEYJ124 | Chip, 120kΩ 1/10W | |
| R341 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R342 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R343 | ERJ6GEYJ392 | Chip, 3.9kΩ 1/10W | |
| R344 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R346 | ERJ6GEYJ332 | Chip, 3.3kΩ 1/10W | |
| R347 | ERJ6GEYJ562 | Chip, 5.6kΩ 1/10W | |
| R348 | ERJ6GEYJ432 | Chip, 4.3kΩ 1/10W | |

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| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R349 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R350 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R357 | ERJ6GEYJ2R2 | Chip, 2.2Ω 1/10W | |
| R358 | ERJ6GEYJ2R2 | Chip, 2.2Ω 1/10W | |
| R361 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R362 | ERJ6GEYJ681 | Chip, 680Ω 1/10W | |
| R363 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R364 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R366 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R367 | ERJ6GEYJ682 | Chip, 6.8kΩ 1/10W | |
| R368 | ERJ6GEYJ432 | Chip, 4.3kΩ 1/10W | |
| R369 | ERJ6GEYJ152 | Chip, 1.5kΩ 1/10W | |
| R370 | ERJ6GEYJ392 | Chip, 3.9kΩ 1/10W | |
| R377 | ERJ6GEYJ2R2 | Chip, 2.2Ω 1/10W | |
| R378 | ERJ6GEYJ2R2 | Chip, 2.2Ω 1/10W | |
| R386 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R387 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R441 | ERJ6GEYJ152 | Chip, 1.5kΩ 1/10W | |
| R442 | ERJ6GEYJ223 | Chip, 22kΩ 1/10W | |
| R443 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R444 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R541 | ERJ6GEYJ152 | Chip, 1.5kΩ 1/10W | |
| R542 | ERJ6GEYJ223 | Chip, 22kΩ 1/10W | |
| R543 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R544 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R601 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R602 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R603 | ERJ6GEYJ684 | Chip, 680kΩ 1/10W | |
| R604 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R605 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R606 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R618 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R620 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R621 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R623 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R626 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R627 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R630 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R631 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R632 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R633 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R635 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R636 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R641 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R642 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R643 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R645 | ERJ6GEYJ104 | Chip, 100kΩ 1/10W | |
| R646 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R648 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R649 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R650 | ERJ6GEYJ152 | Chip, 1.5kΩ 1/10W | |
| R651 | ERJ6GEYJ152 | Chip, 1.5kΩ 1/10W | |
| R654 | ERJ6GEYJ152 | Chip, 1.5kΩ 1/10W | |
| R655 | ERJ6GEYJ393 | Chip, 39kΩ 1/10W | |
| R656 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R657 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R658 | ERJ6GEYJ151 | Chip, 150Ω 1/10W | |
| R667 | ERJ6GEYJ331 | Chip, 330Ω 1/10W | |
| R673 | ERJ6GEYJ223 | Chip, 22kΩ 1/10W | |
| R681 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R682 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R683 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R684 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R685 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R686 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R691 | ERJ8GEYJ271V | Chip, 270Ω 1/8W | |
| R701 | ERJ8GEYJ472V | Chip, 4.7kΩ 1/8W | |
| R702 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R703 | ERJ8GEYJ102V | Chip, 1kΩ 1/8W | |
| R705 | ERJ8GEYJ2R2V | Chip, 2.2Ω 1/8W | |
| R706 | ERJ8GEYJ2R2V | Chip, 2.2Ω 1/8W | |
| R708 | ERJ8GEYJ391V | Chip, 390Ω 1/8W | |
| R709 | ERJ6GEYJ331 | Chip, 330Ω 1/10W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R710 | ERJ8GEYJ820V | Chip, 82Ω 1/8W | |
| R712 | ERJ6GEYJ331 | Chip, 330Ω 1/10W | |
| R715 | ERJ6GEYJ274 | Chip, 270kΩ 1/10W | |
| R716 | ERJ6GEYJ433 | Chip, 43kΩ 1/10W | |
| R717 | ERJ6GEYJ223 | Chip, 22kΩ 1/10W | |
| R718 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R719 | ERJ8GEYJ472V | Chip, 4.7kΩ 1/8W | |
| R720 | ERJ8GEYJ472V | Chip, 4.7kΩ 1/8W | |
| R721 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R722 | ERJ6GEYJ681 | Chip, 680Ω 1/10W | |
| R723 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R724 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R732 | ERJ8GEYJ122V | Chip, 1.2kΩ 1/8W | |
| R733 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R734 | ERJ8GEYJ122V | Chip, 1.2kΩ 1/8W | |
| R744 | ERJ8GEYJ6R8V | Chip, 6.8Ω 1/8W | |
| R745 | ERJ6GEYJ183 | Chip, 18kΩ 1/10W | |
| R749 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R751 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R752 | ERJ8GEYJ821V | Chip, 820Ω 1/8W | |
| R754 | ERJ8GEYJ681V | Chip, 680Ω 1/8W | |
| R755 | ERJ6GEYJ182 | Chip, 1.8kΩ 1/10W | |
| R756 | ERJ6GEYJ223 | Chip, 22kΩ 1/10W | |
| R757 | ERJ6GEYJ152 | Chip, 1.5kΩ 1/10W | |
| R758 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R759 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R760 | ERJ6GEYJ681 | Chip, 680Ω 1/10W | |
| R761 | ERDS1FJ5R6 | Carbon, 5.6Ω 1/2W | |
| R762 | ERDS1FJ6R8 | Carbon, 6.8Ω 1/2W | |
| R763 | ERDS1FJ1R5 | Carbon, 1.5Ω 1/2W | |
| R764 | ERDS1FJ2R2 | Carbon, 2.2Ω 1/2W | |
| R766 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R798 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R799 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R923 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R924 | ERJ6GEY0R00 | Chip, 0Ω 1/10W | |
| R925 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R926 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R927 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R928 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R929 | ERJ8GEYJ391V | Chip, 390Ω 1/8W | |
| R964 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R965 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R966 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R967 | ERDS1FJ1R5 | Carbon, 1.5Ω 1/2W | |
| R968 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R969 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R970 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R971 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
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| | | | |
| CONNECTORs | | | |
| CN701 | YEAEMX5P20L | Connector, 20P | |
| CN901 | K1KA10B00162 | Connector, 10P | |
| CN902 | K1KA10B00162 | Connector, 10P | |
| CN921 | YEAEK623214S | Connector, 14P | |
| CN961 | YEAE9604S17S | Connector, 17P | |
| CN962 | YEAE0110TKAG | Connector, 10P | |
| | | | |
| | | | |
| COILs | | | |
| J601 | YELTBLM21A10 | Coil | |
| L51 | YELT03N1R8JT | Coil | |
| L52 | YELT03NR82JT | Coil | |
| L53 | G1C3R3J00003 | Coil | |
| L601 | YELT03N5R6KT | Coil | |
| L603 | YELTBLM21A10 | Coil | |
| L604 | YELTBLM21A10 | Coil | |
| L605 | YELT03N5R6KT | Coil | |
| L701 | G0B750J00001 | Coil | |
| L921 | YELT03N330JT | Coil | |
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| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| CRYSTALs | | | |
| XL601 | YEXL49U1258T | Crystal | |
| XL602 | YEXLMC60327 | Crystal | |
| XL603 | H0D720400003 | Crystal | |
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| | | | |
| LAMPs | | | |
| Z51 | J0LE00000002 | Neon Lamp | |
| Z700 | J0HACJ000005 | Neon Lamp | |
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| NETWORK RESISTORs | | | |
| RA601 | EXBV8V102JV | Network Resistor | |
| RA602 | EXBV8V102JV | Network Resistor | |
| RA603 | EXBV8V102JV | Network Resistor | |
| RA604 | EXBV8V102JV | Network Resistor | |
| RA605 | EXBV8V102JV | Network Resistor | |
| RA606 | EXBV8V102JV | Network Resistor | |
| RA607 | EXBV8V102JV | Network Resistor | |
| RA608 | EXBV8V102JV | Network Resistor | |
| RA609 | EXBV8V102JV | Network Resistor | |
| RA610 | EXBV8V102JV | Network Resistor | |
| RA611 | EXBV8V102JV | Network Resistor | |
| RA612 | EXBV8V102JV | Network Resistor | |
| RA613 | EXBV8V102JV | Network Resistor | |
| RA614 | EXBV8V102JV | Network Resistor | |
| RA615 | EXBV8V102JV | Network Resistor | |
| RA616 | EXBV8V102JV | Network Resistor | |
| RA617 | EXBV8V102JV | Network Resistor | |
| RA618 | EXBV8V102JV | Network Resistor | |
| | | | |
| | | | |
| THERMISTER | | | |
| R731 | YERTX030T | Thermister | |
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| [E8861A] Display Block | | | |
| IC´s and TRANSISTORs | | | |
| IC901 | YEAMLC75853 | IC | |
| Q901 | B1GDCFJJ0002 | Transistor | |
| Q902 | B1GDJEGJ0002 | Transistor | |
| Q903 | B1GDJEGJ0002 | Transistor | |
| Q904 | B1GDCFJJ0002 | Transistor | |
| Q905 | B1GDCFJJ0002 | Transistor | |
| Q906 | YEANC114YKX | Transistor | |
| Q907 | YEANC114YKX | Transistor | |
| | | | |
| | | | |
| DIODEs | | | |
| D951 | YEADBR3668S | Diode | |
| D952 | B3AGA0000064 | Diode | |
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| | | | |
| CAPACITORs | | | |
| C900 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C901 | YECUS1H473KX | Ceramic, 0.047µF 50WV | |
| C902 | YECUS1H473KX | Ceramic, 0.047µF 50WV | |
| C903 | YECUS1H821JM | Ceramic, 820PF 50WV | |
| C955 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| | | | |
| | | | |
| RESISTORs | | | |
| R941 | ERJ8GEYJ390V | Chip, 39Ω 1/8W | |
| R942 | ERJ8GEYJ470V | Chip, 47Ω 1/8W | |
| R943 | ERJ8GEYJ470V | Chip, 47Ω 1/8W | |
| R944 | ERJ8GEYJ470V | Chip, 47Ω 1/8W | |
| R945 | ERJ8GEYJ390V | Chip, 39Ω 1/8W | |
| R946 | ERJ8GEYJ470V | Chip, 47Ω 1/8W | |
| R947 | ERJ8GEYJ270V | Chip, Chip, 27Ω 1/8W | |
| R948 | ERJ8GEYJ270V | Chip, Chip, 27Ω 1/8W | |
| R949 | ERJ8GEYJ121V | Chip, 120Ω 1/8W | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R951 | ERJ8GEYJ271V | Chip, 270Ω 1/8W | |
| R952 | ERJ8GEYJ121V | Chip, 120Ω 1/8W | |
| R953 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R954 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R955 | ERJ6GEYJ220 | Chip, 22Ω 1/10W | |
| R956 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R957 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R958 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R959 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R960 | ERJ8GEYJ561V | Chip, 560Ω 1/8W | |
| R961 | ERJ8GEYJ561V | Chip, 560Ω 1/8W | |
| R962 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R963 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
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| | | | |
| CONNECTORs | | | |
| CJ901 | K1MQ10A00009 | Connector, 10P | |
| CJ902 | K1MQ10A00009 | Connector, 10P | |
| CN922 | YEAE5280714 | Connector, 14P | |
| CN923 | K1MN15B00014 | Connector, 15P | |
| | | | |
| | | | |
| SWITCHEs | | | |
| SW901 | EVQPVF05K | Switch | |
| SW902 | EVQPVF05K | Switch | |
| SW903 | EVQPVF05K | Switch | |
| SW904 | EVQPVF05K | Switch | |
| SW905 | EVQPVF05K | Switch | |
| SW906 | EVQPVF05K | Switch | |
| SW907 | EVQPVF05K | Switch | |
| SW909 | EVQPVF05K | Switch | |
| SW910 | EVQPVF05K | Switch | |
| SW911 | EVQPVF05K | Switch | |
| SW912 | EVQPVF05K | Switch | |
| SW913 | EVQPVF05K | Switch | |
| SW914 | EVQPVF05K | Switch | |
| SW915 | EVQPVF05K | Switch | |
| SW916 | EVQPVF05K | Switch | |
| SW917 | EVQPVF05K | Switch | |
| SW918 | EVQPVF05K | Switch | |
| | | | |
| | | | |
| LCD | | | |
| LCD901 | L5AAALC00012 | LCD | |
| | | | |
| | | | |
| COIL | | | |
| L923 | YELTBMHS800T | Coil | |
| | | | |
| | | | |
| LAMPs | | | |
| PL901 | YEALHSIO047 | Pilot Lamp | |
| PL902 | YEALHSIO047 | Pilot Lamp | |
| PL903 | YEALHSIO047 | Pilot Lamp | |
| PL904 | YEALHSIO047 | Pilot Lamp | |
| PL905 | YEALHSIO047 | Pilot Lamp | |
| PL906 | YEALHSIO047 | Pilot Lamp | |
| PL907 | YEALHSIO047 | Pilot Lamp | |
| PL908 | YEALHSIO047 | Pilot Lamp | |
| | | | |
| | | | |
| VARIABLE RESISTORs | | | |
| VR901 | K9AA015B0013 | Variablr resistor | |
| VR902 | K9AA015B0013 | Variablr resistor | |
| | | | |
| | | | |
| | | | |
| Accessories | | | |
| PRINTING | | | |
| | YEP9PR3157 | Anti Theft Card | |
| | | | |
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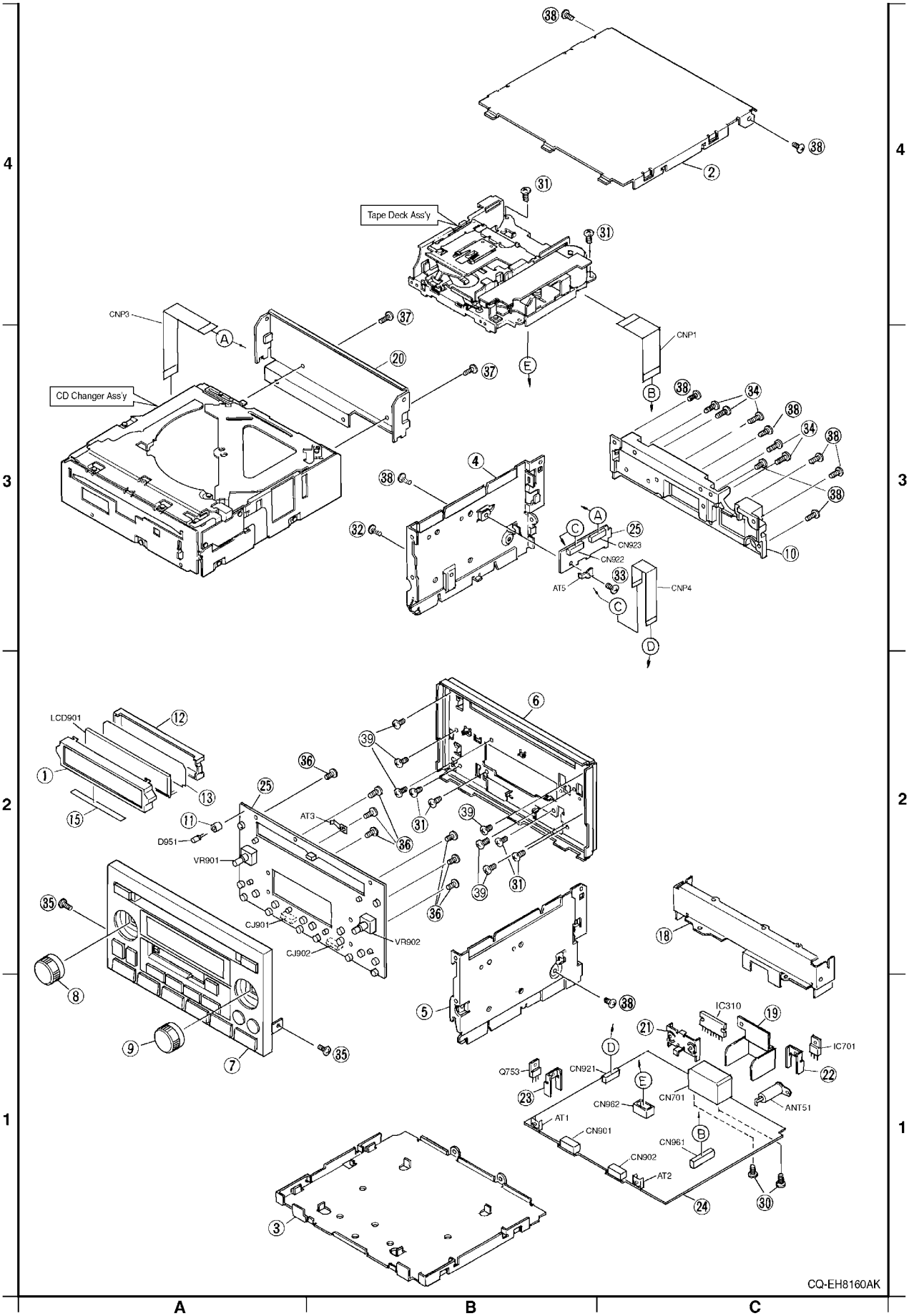
| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| Mechanical Parts | | | |
| MISCELLANEOUS | | | |
| ANT51 | YEAA10064 | Antenna Receplacle | |
| AT1 | YEFX0213797 | Bracket, GND | |
| AT2 | YEFX0213797 | Bracket, GND | |
| AT3 | YEFX0213919 | Bracket, GND | |
| AT5 | YEAT03346A | Terminal | |
| CNP1 | YEAES17A050A | Connector, 17P | |
| CNP3 | K9ZZ00000231 | Connector, 15P | |
| CNP4 | K9ZZ00000757 | Connector, 14P | |
| 1 | YEFA131502 | Cover, LCD | (4-C) |
| 2 | YEFA031717A | Upper Cover | (2-A) |
| 3 | YEFA05781 | Bottom Cover | (1-B) |
| 4 | YEFA09682A | Side Plate (L) | (3-B) |
| 5 | YEFA09683A | Side Plate (R) | (1-B) |
| 6 | YEFA07521A | Front Plate | (2-B) |
| 7 | YGFC027383 | Escucheon Ass´y | (1-A) |
| 8 | YEFE02352 | Knob, VOL. | (2-A) |
| 9 | YEFE02352 | Knob | (1-A) |
| 10 | YGFF011017 | Heat Sink | (3-C) |
| 11 | YEFK06512 | Holder, LED | (2-A) |
| 12 | YEFK06918 | Holder, LCD | (2-A) |
| 13 | YEFV021712 | Optical Shade | (2-A) |
| 15 | YEFV012057 | Insulator | (2-A) |
| 18 | YEFX0214941 | Bracket, CST | (2-C) |
| 19 | YEFX0214942 | Bracket | (1-C) |
| 20 | YEFX0214940A | Bracket, CD | (3-B) |
| 21 | YEFX0214943 | Bracket, IC310 | (1-C) |
| 22 | YEFX0214202 | Bracket, IC701 | (1-C) |
| 23 | YEFX0212830 | Bracket, Q753 | (1-B) |
| 24 | YEP0PT6864U9 | PCB w/Component | RTL |
| 25 | YEP0PT8861U9 | PCB w/Component | RTL |
| | | | |
| 30 | YEJT01089 | Screw, M3x6mm | |
| 31 | YEJT03131 | Screw, M2.6x5mm | |
| 32 | YEJT03009 | Screw, M3x8mm | |
| 33 | YEJT03015 | Screw, M3x6mm | |
| 34 | YEJT03038 | Screw, M3x16mm | |
| 35 | YEJT03207 | Screw, M3x6mm | |
| 36 | XTB2+6GFX | Screw, M2x6mm | |
| 37 | XTB3+5FFX | Screw, M3x5mm | |
| 38 | XTB3+6FFX | Screw, M3x6mm | |
| 39 | YEJS06219A | Screw, | |
| | | | |

# 14 EXPLODED VIEW (Unit)



# 15 CD CHANGER PARTS LIST

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| [E8586C] CD Servo Block | | | |
| IC´s and TRANSISTORs | | | |
| IC101 | C1BB00000173 | IC | |
| IC201 | MN662783RPW | IC | |
| IC202 | C3ABMB000010 | IC | |
| IC301 | MNS73260ACBL | IC | |
| IC401 | YEAMBA6792FY | IC | |
| IC501 | YEAMPC358G2T | IC | |
| IC601 | C0GBY0000004 | IC | |
| IC602 | C0JBAS000051 | IC | |
| IC603 | YEAMT4W53FUL | IC | |
| Q101 | 2SB766ATX | Transistor | |
| | | | |
| | | | |
| DIODE | | | |
| D301 | MA152WKTX | Diode | |
| | | | |
| | | | |
| CAPACITORs | | | |
| C100 | ECEV1CA470SP | Electrolytic, 47µF 16WV | |
| C101 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C102 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C103 | F3H0J1070005 | Tantalum, 100µF 6.3WV | |
| C104 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C105 | F3E0J475A001 | Tantalum, 4.7µF 6.3WV | |
| C106 | YECUS1E273KX | Ceramic, 0.027µF 25WV | |
| C107 | YECUS1H152KX | Ceramic, 1500PF 50WV | |
| C108 | YECUS1H472KX | Ceramic, 4700PF 50WV | |
| C109 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C110 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C111 | YECSW1C106MS | Tantalum, 10µF 16WV | |
| C112 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C113 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C114 | YECSW1C106MS | Tantalum, 10µF 16WV | |
| C115 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C116 | YECUS1H102KX | Ceramic, 1000PF 50WV | |
| C118 | YECUS1H391JM | Ceramic, 390PF 50WV | |
| C120 | YECUS1H561JM | Ceramic, 560PF 50WV | |
| C122 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C202 | YECUS1H123KX | Ceramic, 0.012µF 50WV | |
| C203 | YECUS1C334KX | Ceramic, 0.33µF 16WV | |
| C204 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C205 | YECSW1C106MS | Tantalum, 10µF 16WV | |
| C206 | ECEV0JA470SR | Electrolytic, 47µF 6.3WV | |
| C207 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C208 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C209 | YECSW1C106MS | Tantalum, 10µF 16WV | |
| C210 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C211 | YECUS1A105KX | Ceramic, 1µF 10WV | |
| C301 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C302 | YECSW1C106MS | Tantalum, 10µF 16WV | |
| C305 | YECUS1H103KX | Ceramic, 0.01µF 50WV | |
| C401 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C402 | ECEV1CA470SP | Electrolytic, 47µF 16WV | |
| C403 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C501 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C503 | YECUS1E273KX | Ceramic, 0.027µF 25WV | |
| C504 | YECUS1E393KX | Ceramic, 0.039µF 25WV | |
| C601 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C602 | ECEV1CA470SP | Electrolytic, 47µF 16WV | |
| C603 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C604 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C605 | F1H1H821A190 | Ceramic, 820PF 50WV | |
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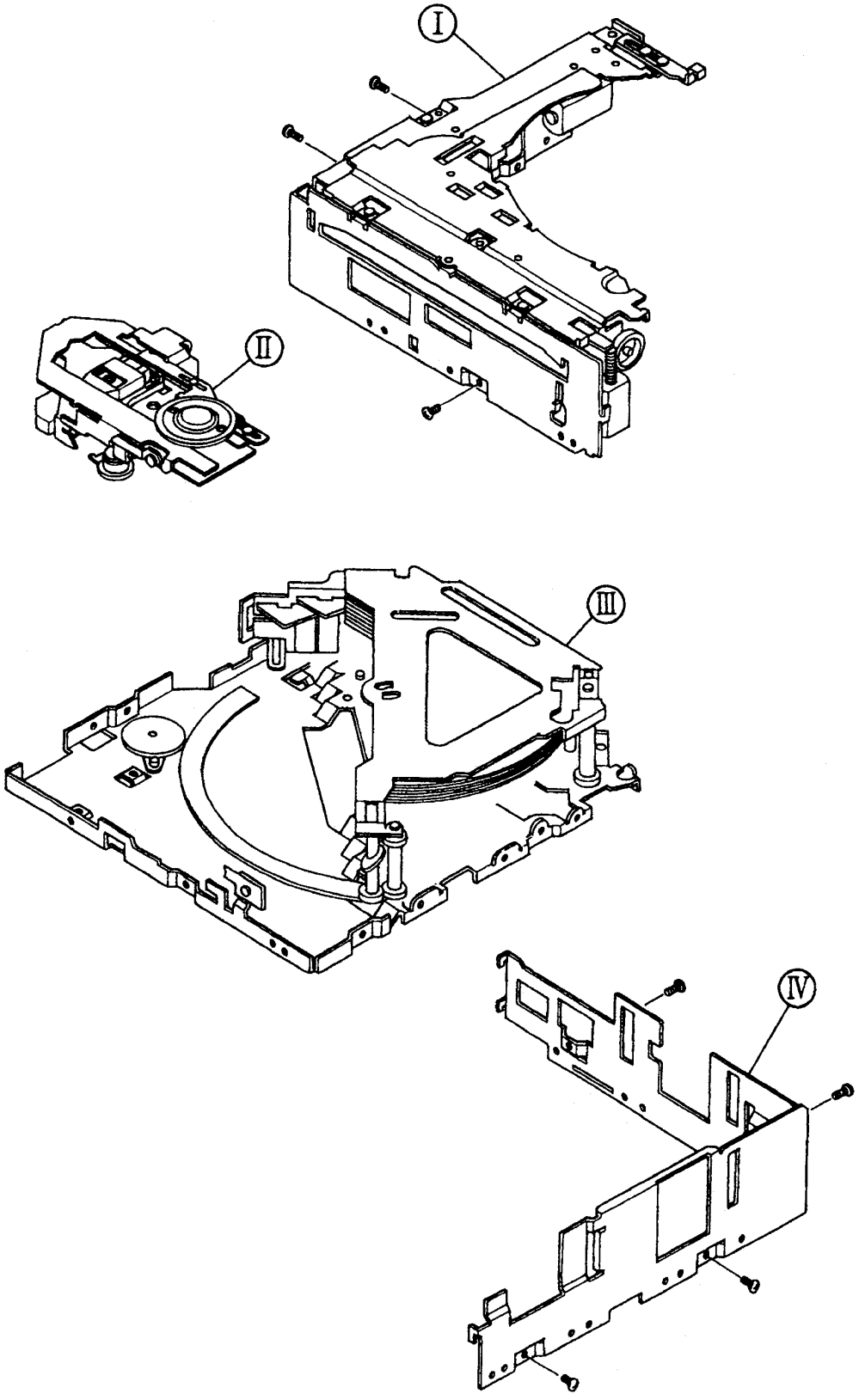
| | | | |
| RESISTORs | | | |
| R100 | ERJ6GEYJ334 | Chip, 330kΩ 1/10W | |
| R101 | ERJ6GEYJ101 | Chip, 100Ω 1/10W | |
| R102 | ERJ12YJ330H | Chip, 33Ω 1/2W | |
| R103 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R104 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R105 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R106 | ERJ6GEYJ184 | Chip, 180kΩ 1/10W | |
| R107 | ERJ6GEYJ184 | Chip, 180kΩ 1/10W | |
| R108 | ERJ6GEYJ823 | Chip, 82kΩ 1/10W | |
| R109 | ERJ6GEYJ334 | Chip, 330kΩ 1/10W | |
| R110 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R111 | ERJ6GEYJ102 | Chip, 1kΩ 1/10W | |
| R112 | ERJ6GEYJ393 | Chip, 39kΩ 1/10W | |
| R113 | ERJ6GEYJ333 | Chip, 33kΩ 1/10W | |
| R201 | ERJ6GEYJ124 | Chip, 120kΩ 1/10W | |
| R202 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R203 | ERJ6GEYJ334 | Chip, 330kΩ 1/10W | |
| R204 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R205 | ERJ6GEYJ331 | Chip, 330Ω 1/10W | |
| R206 | ERJ6GEYJ470 | Chip, 47Ω 1/10W | |
| R207 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R208 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R209 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R210 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R211 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R212 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R213 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R301 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R302 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R303 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R304 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R305 | ERJ6GEYJ563 | Chip, 56kΩ 1/10W | |
| R306 | ERJ6GEYJ563 | Chip, 56kΩ 1/10W | |
| R307 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R308 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R309 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R310 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R311 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R312 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R313 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R314 | ERJ6GEYJ823 | Chip, 82kΩ 1/10W | |
| R315 | ERJ6GEYJ823 | Chip, 82kΩ 1/10W | |
| R316 | ERJ6GEYJ823 | Chip, 82kΩ 1/10W | |
| R317 | ERJ6GEYJ471 | Chip, 470Ω 1/10W | |
| R318 | ERJ6GEYJ471 | Chip, 470Ω 1/10W | |
| R319 | ERJ6GEYJ471 | Chip, 470Ω 1/10W | |
| R320 | ERJ6GEYJ471 | Chip, 470Ω 1/10W | |
| R321 | ERJ6GEYJ471 | Chip, 470Ω 1/10W | |
| R322 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R324 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R325 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R326 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R327 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R328 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R401 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R402 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R501 | ERJ6GEYJ101 | Chip, 100Ω 1/10W | |
| R502 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R503 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R504 | ERJ6GEYJ222 | Chip, 2.2kΩ 1/10W | |
| R505 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R601 | ERJ6GEYJ123 | Chip, 12kΩ 1/10W | |
| R602 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R603 | ERJ6GEYJ273 | Chip, 27kΩ 1/10W | |
| R604 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R605 | ERJ6GEYJ183 | Chip, 18kΩ 1/10W | |
| R606 | ERJ6GEYJ393 | Chip, 39kΩ 1/10W | |
| R607 | ERJ6GEYJ103 | Chip, 10kΩ 1/10W | |
| R608 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R609 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| | | | |
| | | | |
| CONNECTORs | | | |
| CN1 | YEAE5220715 | Connector, 15P | |
| CN101 | YEAE5220715 | Connector, 15P | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| CN301 | YEAE5227112 | Connector, 12P | |
| CN401 | YEAE5220706 | Connector, 6P | |
| CN402 | YEAE5326102 | Connector, 2P | |
| CN501 | YEAE5227110 | Connector, 10P | |
| | | | |
| | | | |
| SWITCHEs | | | |
| SW10 | ESE102MH4 | Switch | |
| SW11 | ESE102MH4 | Switch | |
| SW12 | ESE102MH4 | Switch | |
| SW13 | ESE102MH4 | Switch | |
| | | | |
| | | | |
| COIL | | | |
| L101 | YELTLM41P750 | Coil | |
| | | | |
| | | | |
| CRYSTALs | | | |
| XL201 | H2D169500001 | Crystal | |
| XL301 | YEXLSTCC737T | Crystal | |
| | | | |
| | | | |
| | | | |
| [E2682] | | | |
| DIODE | | | |
| D1 | ON1004 | Diode | |
| | | | |
| | | | |
| SWITCHE | | | |
| SW1 | ESE102MH4 | Switch | |
| | | | |
| | | | |
| | | | |
| [E2684B] | | | |
| DIODEs | | | |
| D1 | LN01201C | Diode | |
| D2 | LN01201C | Diode | |
| D3 | LN01201C | Diode | |
| | | | |
| | | | |
| | | | |
| [E2685B] | | | |
| IC´s and TRANSISTORs | | | |
| Q1 | PNZ14700R | Transistor | |
| Q2 | PNZ14700R | Transistor | |
| Q3 | PNZ14700R | Transistor | |
| | | | |
| | | | |
| DIODE | | | |
| D1 | ON1004 | Diode | |
| | | | |
| | | | |
| SWITCHE | | | |
| SW4 | ESE102MH4 | Switch | |
| | | | |
| | | | |
| CONNECTOR | | | |
| JD1 | YEAE5227106 | Connector, 6P | |
| | | | |
| | | | |
| | | | |
| Mechanical Parts | | | |
| MISCELLANEOUS | | | |
| 3 | K1LA02A00021 | Cord w/Connector | (4-A) |
| 4 | YEAP2683 | Suspension FPC | (1-E) |
| 5 | YEATSD00405 | Terminal | (1-F) |
| 6 | YEFA011711G | Upper Chassis Ass´y | (3-B) |
| 7 | YGFA011713A | Side Chassis (R) | (1-C) |
| 8 | YEFA011714D | Side Chassis (L) Ass´y | (4-A) |
| 9 | YEFA011716 | Suspension Chassis Ass´y | (1-D) |
| 10 | YEFA011718A | Suspension Chassis(Bottom) Ass´y | (1-D) |
| 11 | YEFA011720B | Swing Chassis Ass´y | (3-D) |

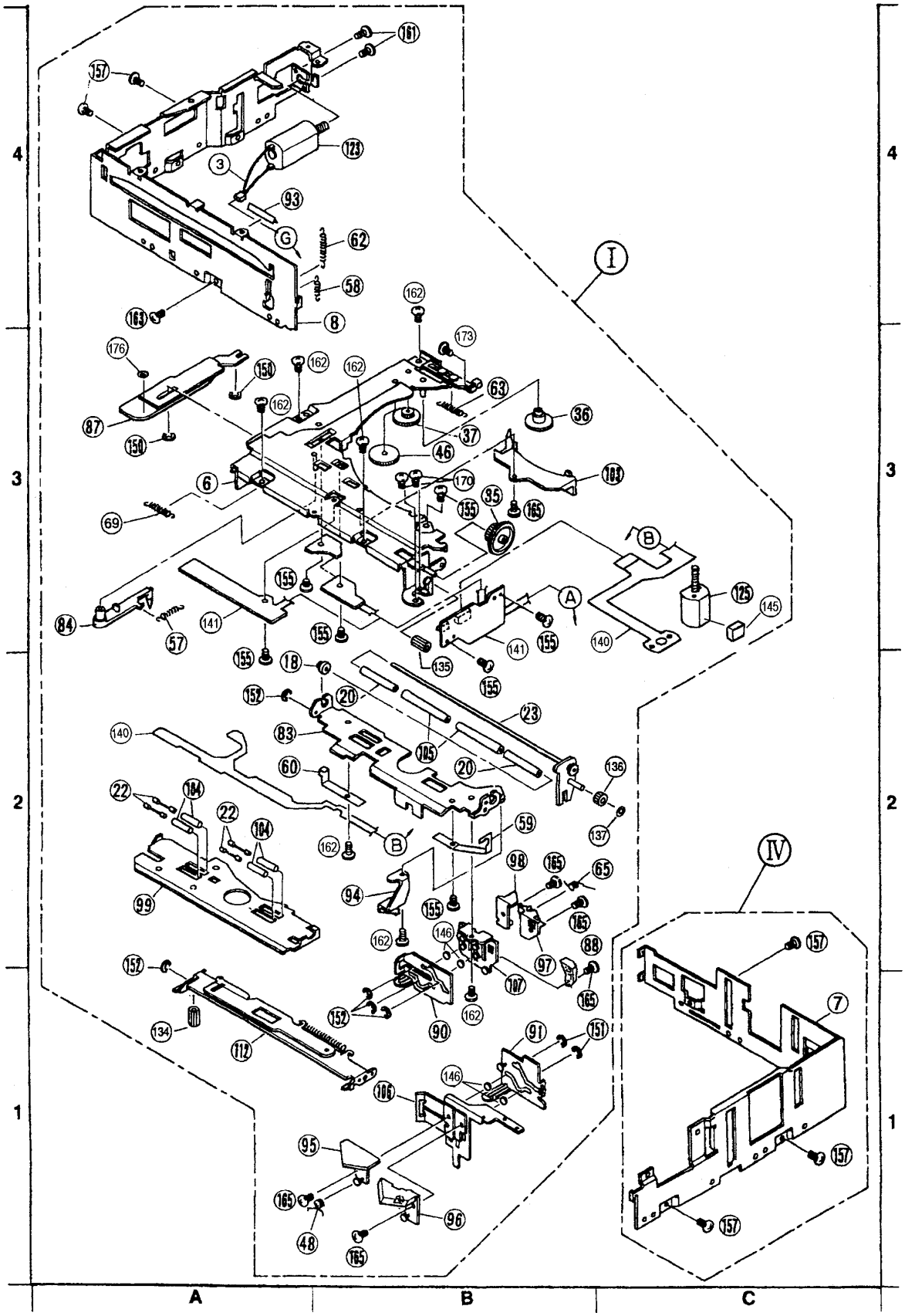
| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 12 | YEFA011722 | Stocker Plate Ass´y | (4-F) |
| 13 | YGFA011858B | Main Chassis Ass´y | (3-E) |
| 14 | YEFS04707 | Damper | (4-D) |
| 16 | YEFV011897 | Insulator | (2-F) |
| 17 | YEFW04158 | Bearing | (3-D) |
| 18 | YEFW04159A | Roller Shaft Holder(L) | (2-B) |
| 19 | YEFX04161A | Feed Screw Housing | (1-E) |
| 20 | YGFW05412 | Disc Collar | (2-B) |
| 22 | YEFW062351 | Disc Roller Shaft | (2-A) |
| 23 | YEFX062461B | Roller Shaft Ass´y | (2-B) |
| 24 | YEFX003872 | Elevator Gear(1) | (3-F) |
| 25 | YEFX003873 | Elevator Gear(2) | (2-F)<br>(3-F) |
| 26 | YEFX003874 | Elevator Gear(3) | (3-E) |
| 27 | YEFX003875 | Elevator Gear(4) | (3-E)<br>(2-F) |
| 28 | YEFX003877 | Traverse Gear(2) | (2-D) |
| 29 | YEFX003878A | Traverse Gear(3) | (2-D) |
| 30 | YEFX003879 | Traverse Gear(4) | (1-D) |
| 31 | YEFX003882A | Stocker Cam Gear(1) | (3-F) |
| 32 | YEFX003883B | Stocker Cam Gear(2) | (3-E)<br>(2-F) |
| 33 | YEFX003884 | Stocker Cam Gear(3) | (3-E)<br>(2-F) |
| 34 | YGFX0031007 | Disc Hold Gear | (3-F) |
| 35 | YEFX0031057 | Load Gear | (3-B) |
| 36 | YEFX003891A | Push Gear(1) | (3-B) |
| 37 | YEFX0031003 | Push Gear(2) | (3-B) |
| 38 | YEFX003894 | Horizontal Cam Gear(1) | (3-D) |
| 39 | YEFX003895 | Horizontal Cam Gear(2) | (2-E) |
| 40 | YEFX003896 | Horizontal Gear(1) | (3-E) |
| 41 | YEFX003897A | Horizontal Gear(2) | (3-E) |
| 42 | YEFX003898 | Horizontal Gear(3) | (3-E) |
| 43 | YEFX003899B | Horizontal Gear(4) | (3-D) |
| 44 | YEFX003929 | Horizontal Cam Gear(3) | (3-E) |
| 45 | YEFX003931 | Horizontal Gear(5) | (3-D)<br>(2-D) |
| 46 | YEFX003932A | Push Cam Gear | (3-B) |
| 47 | YEFX0052269 | FPC Hold Spring | (2-D) |
| 48 | YEFX0052272 | Guide Spring(B) | (1-B) |
| 49 | YEFX0052274B | Suspension Lock Spring | (3-D) |
| 50 | YEFX0052275A | Swing Spring | (3-D) |
| 51 | YEFX0052276A | Stocker Spring(1) | (4-D)<br>(4-E) |
| 52 | YEFX0052277 | Stocker Spring(2) | (4-D)<br>(4-E) |
| 53 | YEFX0052278 | Thrust Spring | (1-E) |
| 54 | YEFX0052279 | Sencer Lever Spring | (1-E)<br>(1-F) |
| 55 | YGFX0052449A | Damper Spring | (4-D) |
| 56 | YEFX0052447 | Balance Spring(1) | (3-D) |
| 57 | YEFX0052284 | Push Spring | (3-A) |
| 58 | YEFX0052285A | Spring | (4-B) |
| 59 | YGFX0052499 | Roller Hold Spring(L) | (2-B) |
| 60 | YEFX0052527 | Roller Hold Spring(R) | (2-B) |
| 61 | YEFX0052289A | Push Lever Spring | (4-E) |
| 62 | YEFX0052290A | Feeder Spring | (4-B) |
| 63 | YEFX0052291B | Push Plate Spring | (3-B) |
| 64 | YEFX0052292A | Change Spring | (1-D) |
| 65 | YEFX0052335 | Guide Spring(F) | (2-B) |
| 66 | YGFX0052595 | Stocker Thrust Spring | (4-E)<br>(3-F) |
| 67 | YEFX0052495 | Damper Spring (R ) | (4-D) |
| 68 | YGFX0052494 | Damper Spring (L) | (4-D) |
| 69 | YEFX0052445 | Lock Spring | (3-A) |
| 70 | YEFX018552 | Travese Motor Bracket Ass´y | (2-E) |
| 71 | YEFX018553D | Guide(F) Bracket | (3-E) |
| 72 | YEFX018595 | Guide(B) | (3-D) |
| 73 | YEFX018556 | Bearing Bracket | (3-D) |
| 74 | YEFX018596 | Stopper Plate | (1-D) |
| 75 | YEFX018638 | Gear Bracket Ass´y | (2-D) |
| 76 | YEFX018600A | Elevator Motor Bracket | (3-F) |
| 77 | YEFX0461903A | Guide Lever (B) Ass´y | (3-D) |
| 78 | YEFX0461905A | Guide Lever (F) Ass´y | (3-E) |
| 79 | YEFX0461914B | Senser Cover | (1-F) |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 80 | YEFX0461917 | Stocker Rack | (4-F) |
| 81 | YEFX0461918 | Senser Lever(B) | (2-E) |
| 82 | YEFX0461919A | Sneser Lever(FA) | (1-F) |
| 83 | YEFX0461922D | Feeder Plate | (2-B) |
| 84 | YGFX0462143 | Push Lever | (3-A) |
| 85 | YEFX0461926A | Rack Lever | (3-F) |
| 86 | YEFX0461931A | Push Lever | (4-E) |
| 87 | YGFX0462062B | Escape Lever(1) | (3-A) |
| 88 | YEFX219129 | Guide (F) | (2-B) |
| 90 | YEFX0462002C | Guide Cam Plate(F) | (1-B) |
| 91 | YEFX0462003B | Guide Cam (B) Plate Ass´y | (1-B) |
| 92 | YEFX0462026 | Lever Guide Plate Ass´y | (2-D) |
| 93 | YEFS02342 | Felt | (4-A) |
| 94 | YEFX0462029 | Feeder Guide Plate Ass´y | (2-B) |
| 95 | YEFX206135C | Guide(BL) | (1-B) |
| 96 | YEFX206136D | Guide(BU) | (1-B) |
| 97 | YEFX206137A | Guide(FL) | (2-B) |
| 98 | YEFX206138C | Guide(FU) | (2-B) |
| 99 | YEFX206139E | Disc Guide | (2-A) |
| 100 | YEFX206140 | Traverse Guide | (1-D) |
| 101 | YEFX206141A | FPC Guide | (1-D) |
| 102 | YEFX206143 | Disc Guide(S) | (2-D) |
| 103 | YEFX206144 | Disc Guide(U) | (3-B) |
| 104 | YEFX218296 | Disc Roller | (2-A) |
| 105 | YEFX218299 | Disc Roller | (2-B) |
| 106 | YEFX219124A | Guide (B) Base Ass´y | (1-B) |
| 107 | YEFX219126D | Guide Base (F) Ass´y | (2-B) |
| 108 | YEFX233504A | Stocker Tray Housing | (4-D) |
| 109 | YGFX233521 | Disc Holder(L) | (3-F) |
| 110 | YEFX233506 | Disc Holder(U) | (4-E) |
| 111 | YEFX234192 | Elevator Cam | (2-E) |
| 112 | YEFX249486 | Feeder Arm Ass´y | (1-A) |
| 113 | YEFX9992184 | Suspension Balancer 1 | (1-D) |
| 114 | YEFX9992237 | Stocker Tray | (4-D) |
| 115 | YEFX9991903 | Feed Screw Guide | (1-E) |
| 120 | YEJT03220 | Feed Screw Ass´y | (1-D) |
| 121 | YEP0FX4078 | Optical Pick-up Ass´y | (1-E) |
| 122 | YGP0FX3633 | Spindle Motor Ass´y | (1-E) |
| 123 | YEP0FX3661S | Horizontal Motor Ass´y | (4-A) |
| 124 | YEP0FX3660S | Vertical Motor Ass´y | (3-F) |
| 125 | YEP0FX3662S | Loading Motor Ass´y | (3-C) |
| 126 | YEP0FX3663S | Traverse Motor Ass´y | (2-E) |
| 134 | YEFX218308 | Roller | (1-A) |
| 135 | YEFX0031053 | Load Gear | (2-B) |
| 136 | YEFX0031054 | Load Gear | (2-C) |
| 137 | YEFX014040 | Retaining Ring, 2mm | (2-C) |
| 138 | YGP0PT8586A2 | PCB w/Component | RTL |
| 139 | YGP0PT2682A0 | PCB w/Component | RTL |
| 140 | YGP0PT2684A0 | PCB w/Component | RTL |
| 141 | YGP0PT2685A0 | PCB w/Component | RTL |
| 142 | YEFX0052448 | Spring | (3-D) |
| 143 | YEFX9992193 | Suspension Balancer 3 | (1-D) |
| 144 | YEFX9992192A | Suspension Balancer 2 | (1-D) |
| 145 | YGFS011864 | Pad | (3-C) |
| 146 | YEFW04181 | Guide Plate Collar | (1-B) |
| | | | |
| | | | |
| 150 | XUC2V | Retaining Ring, 2mm | |
| 151 | YGJE01044 | Retaining Ring | |
| 152 | XUC15V | Retaining Ring, 1.5mm | |
| 153 | YGFX014047 | Retaining Ring | |
| 154 | YEJS06097A | Screw, 2mm * 2.5mm | |
| 155 | YEJS06173 | Screw | |
| 156 | YEJS06220 | Screw | |
| 157 | YEJT03216 | Tapping Screw | |
| 158 | XQN14+C18FX | Screw, 1.4mm * 1.8mm | |
| 159 | XQN17+A2FX | Screw, 1.7mm * 2mm | |
| 160 | XQN2+A2FX | Screw, 2mm * 2mm | |
| 161 | XQN2+C25FX | Screw, 2mm * 2.5mm | |
| 162 | XSB2+3FX | Screw, 2mm * 3mm | |
| 163 | XSB26+3FX | Screw, 2.6mm * 3mm | |
| 164 | XYN2+C3FX | Screw, 2mm * 3mm | |
| 165 | XYN2+C4FX | Screw, 2mm * 4mm | |
| 166 | XSB2+4FX | Screw, 2mm * 4mm | |
| 167 | XYN2+J5FX | Screw, 2mm * 5mm | |
| 168 | XYN2+C6FX | Screw, 2mm * 6mm | |
| 169 | XYN2+C10FX | Screw, 2mm * 10mm | |
| 170 | XQN2+C2FX | Screw, 2mm * 2mm | |
| 171 | YEJT03129 | Tapping Screw, 2mm * 4mm | |
| 173 | YEJS06244 | Screw | |
| 174 | YEJS06242 | Screw | |
| 175 | XYN2+C8FX | Screw, 2mm * 8mm | |
| 176 | YGFX0051590 | Retaining Ring | |
| | | | |

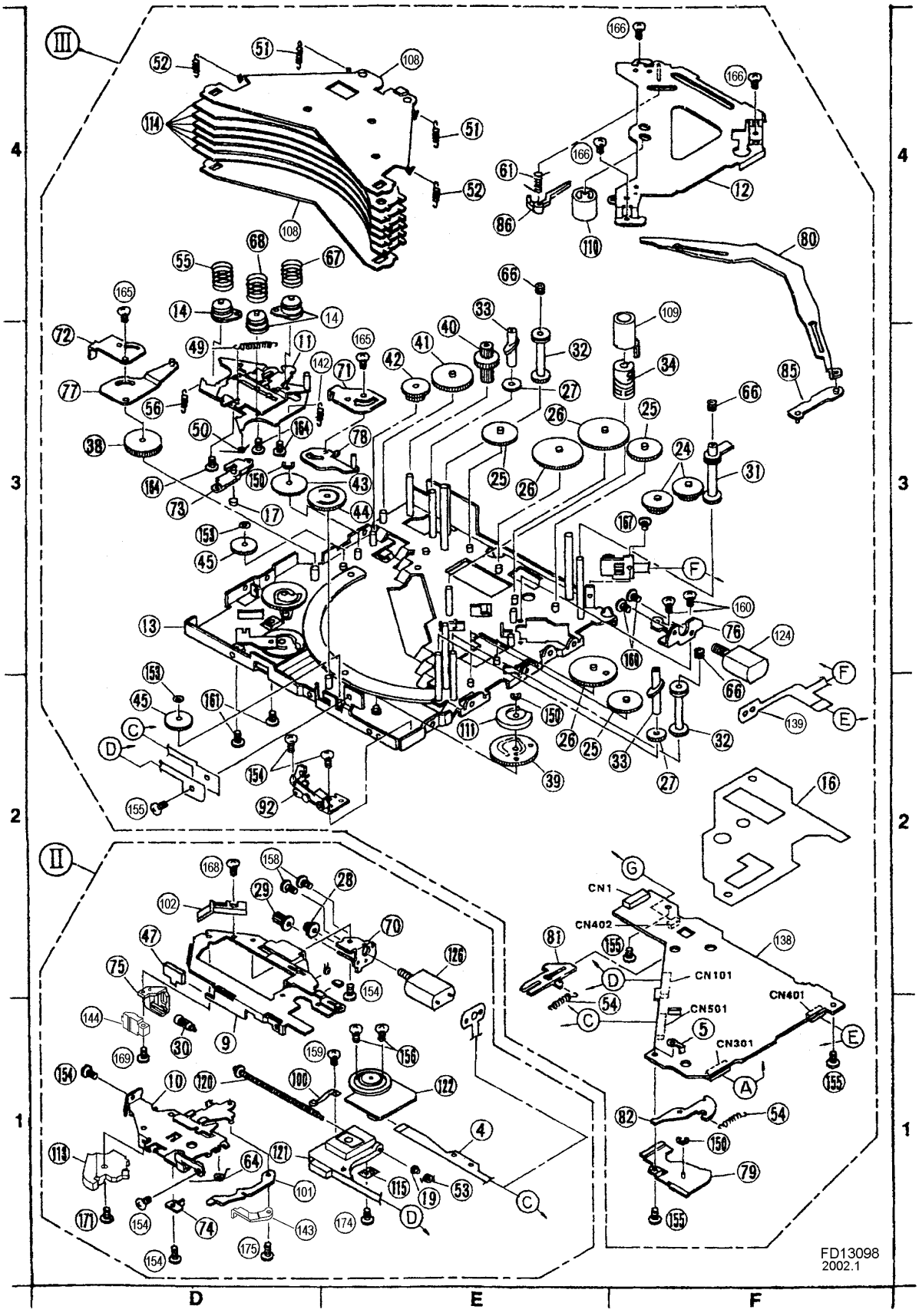
# 16 EXPLODED VIEW (CD Deck-1)



# 17 EXPLODED VIEW (CD Deck-2)



# 18 EXPLODED VIEW (CD Deck-3)



# 19 TAPE PLAYER PARTS

## 19.1. IC´s and Transistors

DOLBY BLOCK [E8790A]

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| IC1 | YEAMCXA2565Q | IC | |
| Q401 | YEANC114YKT | Transistor | |

## 19.2. Diodes

REEL BLOCK [E8791]

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| TE1,2 | YEADRPI221 | Diode | |

## 19.3. Capacitors

DOLBY BLOCK [E8790A]

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C201, 202 | YECUS1H331JM | Ceramic, 330PF 50WV | |
| C204 | YECUS1H123KX | Ceramic, 0.012µF 50WV | |
| C205 | YECUS1E333KX | Ceramic, 0.033µF 25WV | |
| C206 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C301, 302 | YECUS1H331JM | Ceramic, 330PF 50WV | |
| C304 | YECUS1H123KX | Ceramic, 0.012µF 50WV | |
| C305 | YECUS1E333KX | Ceramic, 0.033µF 25WV | |
| C306 | YECUS1C104KX | Ceramic, 0.1µF 16WV | |
| C401 | ECA1CSA220I | Electrolytic, 22µF 16WV | |
| C402 | ECEA1AKS330I | Electrolytic, 33µF 10WV | |
| C403 | YECUV2A103KX | Ceramic, 0.01µF 100WV | |
| C404 | YECUS1E333KX | Ceramic, 0.033µF 25WV | |
| C405 | ECA1HSAR33I | Electrolytic, 0.33µF 50WV | |
| C406 | YECUS1H472KX | Ceramic, 0.0047µF 50WV | |
| C407 | ECEA1CKS100I | Electrolytic, 10µF 16WV | |
| C409 | YECUS1H472KX | Ceramic, 0.0047µF 50WV | |
| C501 | YECUV1E334ZF | Ceramic, 0.33µF 25WV | |

REEL BLOCK [E8791]

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C1 to 3 | YECUS1H471JM | Ceramic, 470PF 50WV | |

## 19.4. Resistors

DOLBY BLOCK [E8790A]

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R201,202 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R207 | ERJ8GEYJ181V | Chip, 180Ω 1/8W | |
| R301,302 | ERJ6GEYJ683 | Chip, 68kΩ 1/10W | |
| R307 | ERJ6GEYJ181 | Chip, 180Ω 1/10W | |
| R402 | ERJ6GEYJ183 | Chip, 18kΩ 1/10W | |
| R403 | ERJ6GEYJ473 | Chip, 47kΩ 1/10W | |
| R404 | ERJ8GEYJ334V | Chip, 330kΩ 1/8W | |
| R405 | ERJ8GEYJ392V | Chip, 3.9kΩ 1/8W | |
| R406 | ERJ6GEYJ273 | Chip, 27kΩ 1/10W | |
| R408 | ERJ8GEYJ223V | Chip, 22kΩ 1/8W | |
| R409 | ERJ6GEYJ273 | Chip, 27kΩ 1/10W | |
| R501 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |

REEL BLOCK [E8791]

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R1,2 | ERJ8GEYJ683V | Chip, 68kΩ 1/8W | |
| R3 | ERJ6GEYJ472 | Chip, 4.7kΩ 1/10W | |
| R4 to 6 | ERJ8GEYJ472V | Chip, 4.7kΩ 1/8W | |
| R7, 8 | ERJ8GEYJ821V | Chip, 820Ω 1/8W | |

## 19.5. Connectors

DOLBY BLOCK [E8790A]

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| CN1 | YEAE012385 | Connector, 17P | |
| CN3 | YEAESLW05R1 | Connector, 5P | |

REEL BLOCK [E8791]

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| CN2 | YEAE0110TKCR | Connector, 10P | |
| JP3 | YGAJ071387A | CORD W/Connector | |

## 19.6. Electric Parts

SWITCHES

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| SW1 | K0J1CB00001 | Switch | |
| SW2 | YEAS07174 | Switch | |
| SW3 | YEAS08042 | Switch | |
| SW4 | YEAS07174 | Switch | |
| SW5 | EVQWJE001 | Rotary Switch | |

VARIABLE RESISTORS

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| VR201, 301 | EVNDXAA00B13 | Variable Resistor | |

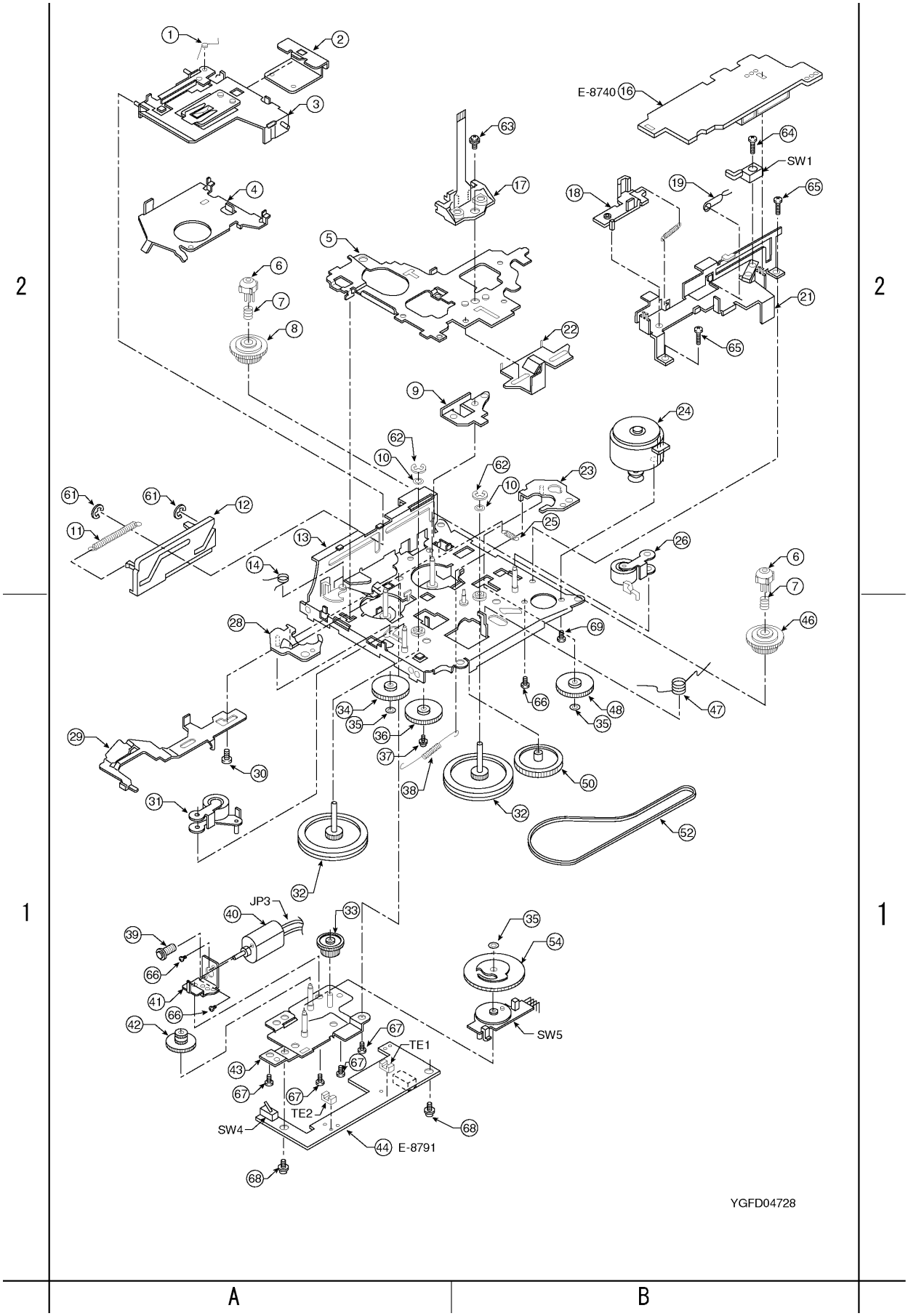
## 19.7. Mechanical Parts

MISCELLANEOUS

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 1 | YGFX0052472 | Lock Plate Spring | |
| 2 | YGFX0052454 | Spring | |
| 3 | YGFX0462100 | Cassette Holder (U) Ass´y | |
| 4 | YGFX0462104 | Cassette Holder(L) | |
| 5 | YGFA011830 | Head Chassis Ass´y | |
| 6 | YGFX234194 | Cam | |
| 7 | YGFX0052427 | Back Tension Spring | |
| 8 | YGFX209271 | Reel (R) Ass´y | |
| 9 | YGFX0052471 | Holding Spring | |
| 10 | YGJW04131 | Washer | |
| 11 | YGFX0052475 | Lack Plate Spring | |
| 12 | YGFX0031035 | Lack Plate | |
| 13 | YGFA011827 | Main Chassis Ass´y | |
| 14 | YGFX0052444 | EQ Lever Spring | |
| 16 | YGP0PT8790A0 | Dolby P.C.B. Ass'y | |
| 17 | L1AC00000013 | Head Ass'y | |
| 18 | YGFX0462105 | Lever | |
| 19 | YGFX0052478 | Vibration-proof Spring | |
| 20 | YGFX0052477 | Spring | |
| 21 | YGFX239470 | Cassette Guid Plate | |
| 22 | YGFX0462097 | PRO Change Plate | |
| 23 | YGFX0031031 | Idler Gear Plate (F) Ass'y | |
| 24 | YGP0FX3845 | Main Motor Ass'y | |
| 25 | YGFX0052474 | Lack Return Spring | |
| 26 | YGFX218305 | Pinch Roller (F) Ass'y | |
| 28 | YGFX0031033 | Idler Gear Plate (R) Ass'y | |
| 29 | YGFX0462102 | Lack Return Link | |
| 30 | YGFW062600 | Lack Return Link Shaft | |
| 31 | YGFX218306 | Pinch Roller (R) Ass'y | |
| 32 | YGFX213213 | Flywheel Ass'y | |
| 33 | YGFX0031001 | Drive Gear (2) | |
| 34 | YEFX003753B | Play Idler Gear | |
| 35 | YGFX014075 | Lock Ling | |
| 36 | YGFX003970 | Gear | |
| 37 | YGJT03250 | Gear Shaft | |
| 38 | YGFX0052446 | Idler Gear Plate Spring | |
| 39 | YGFX0031030 | Worm Gear | |
| 40 | YGP0FX3846 | Loading Motor Ass'y | |
| 41 | YGFX030102 | Worm Gear Stopper | |
| 42 | YGFX0031026 | Drive Gear (3) | |

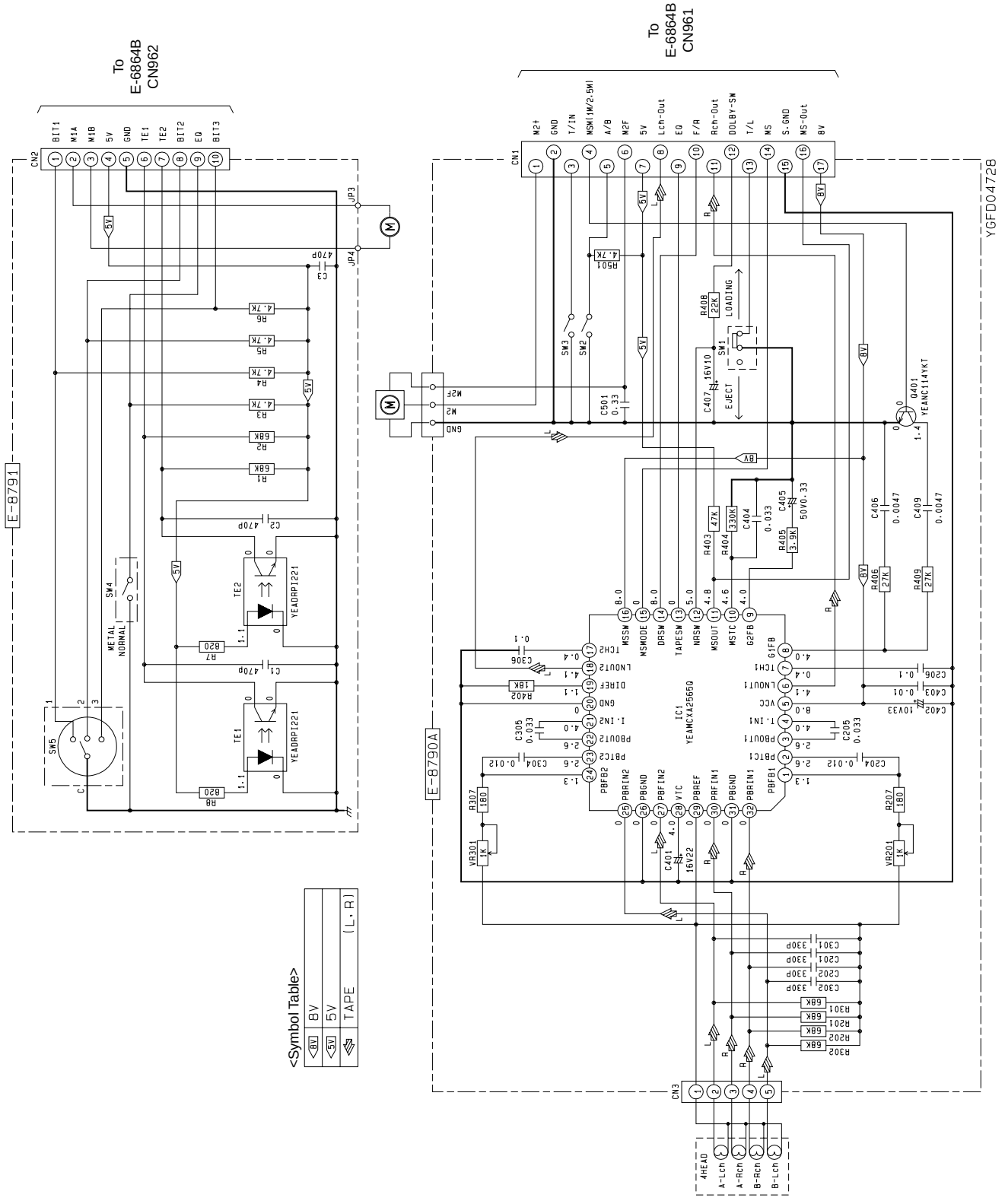
| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 43 | YGFA011851 | Drive Chassis Ass'y | |
| 44 | YGP0PT8791A0 | Reel P.C.B. Ass'y | |
| 46 | YGFX209270 | Reel (F) Ass'y | |
| 47 | YGFX0052473 | Pinch Roller Spring | |
| 50 | YGFX003971 | PRO Change Gear | |
| 52 | YEFR03083 | Belt | |
| 54 | YGFX0031029 | Drive Gear | |
| 61 | YEJE01004 | E-Ring | |
| 62 | YEJE01036 | E-Ring | |
| 63 | XYN2+J6FX | Screw, 2 x 6mm | |
| 64 | XYN2+C8FX | Screw, 2 x 8mm | |
| 65 | YEJT03167 | Screw, | |
| 66 | YEJS06097A | Screw, 2 x 2.5mm | |
| 67 | YEJT03271 | Screw, | |
| | | | |

# 20 EXPLODED VIEW (Tape Deck)



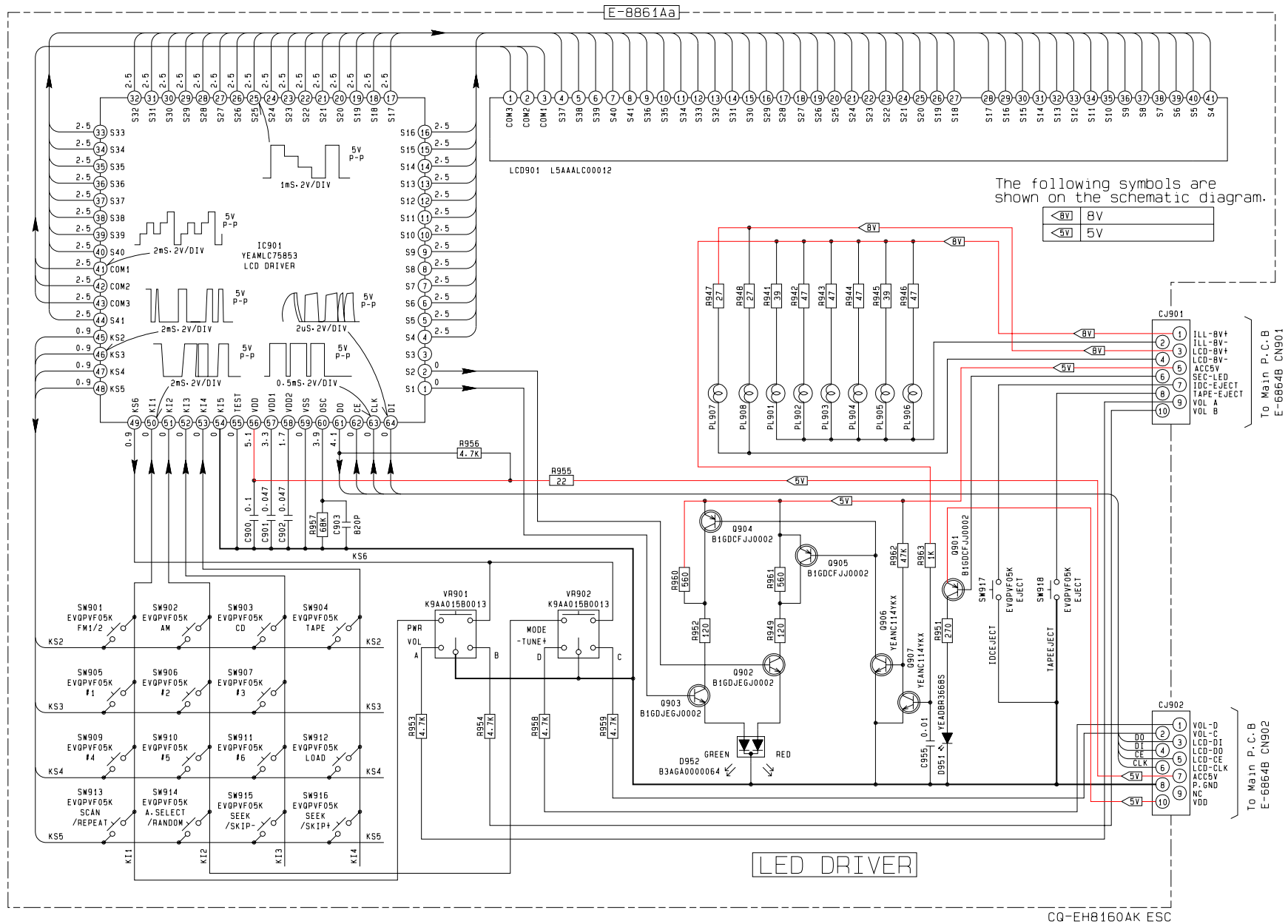
# 22 SCHEMATIC DIAGRAM (1)

## 22.1. Tape Block

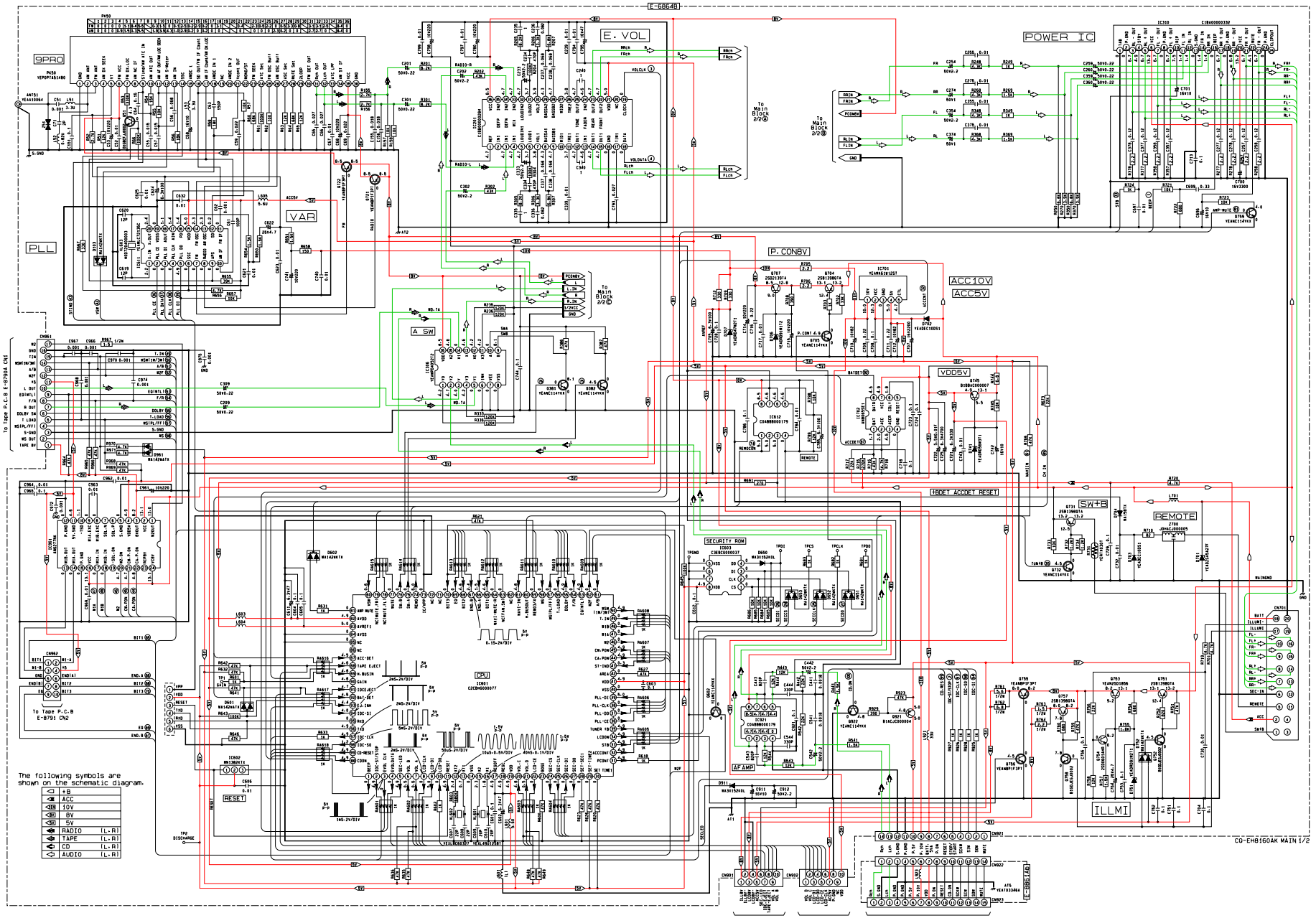


# 23 SCHEMATIC DIAGRAM (2)

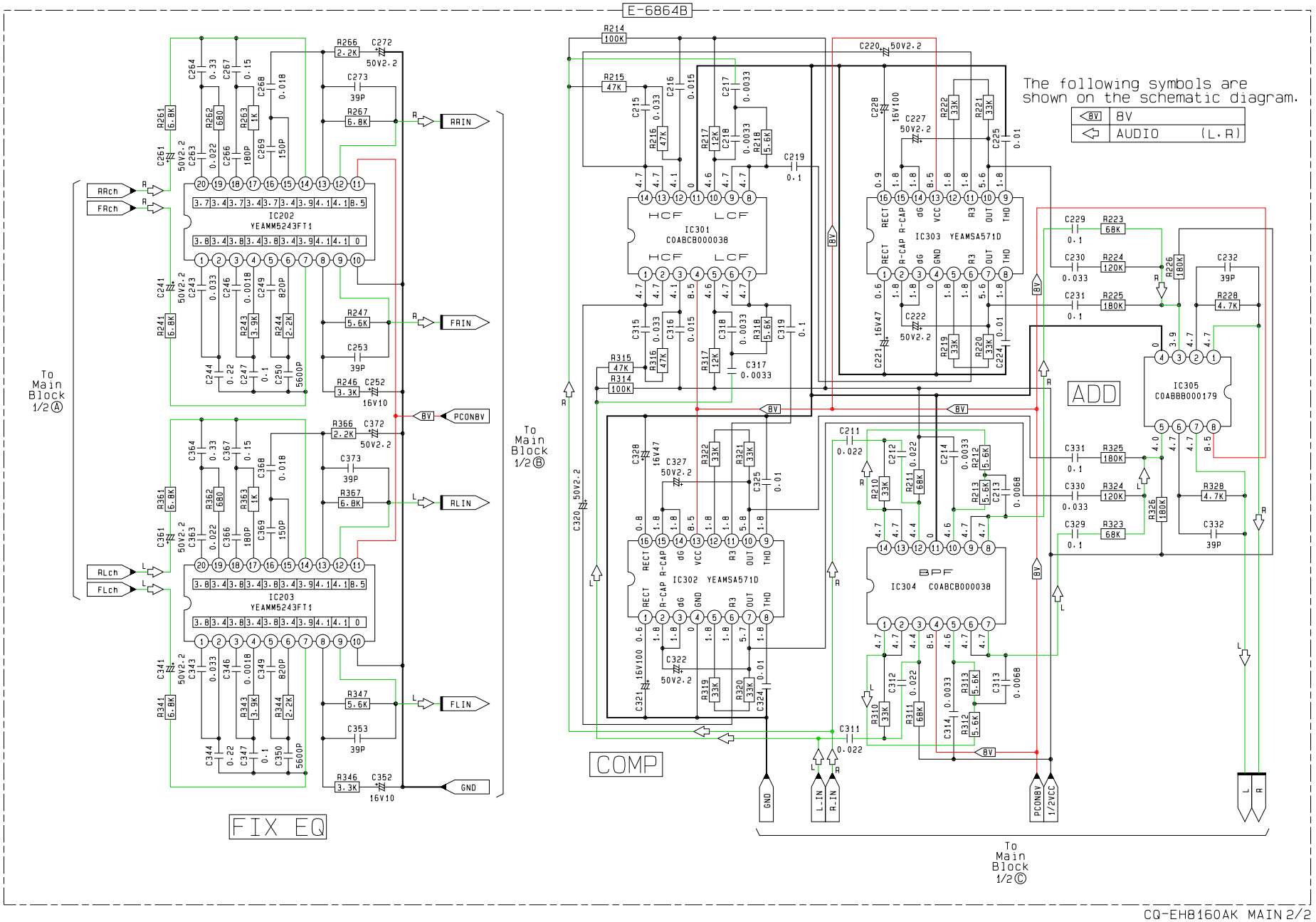
## 23.1. Display Block



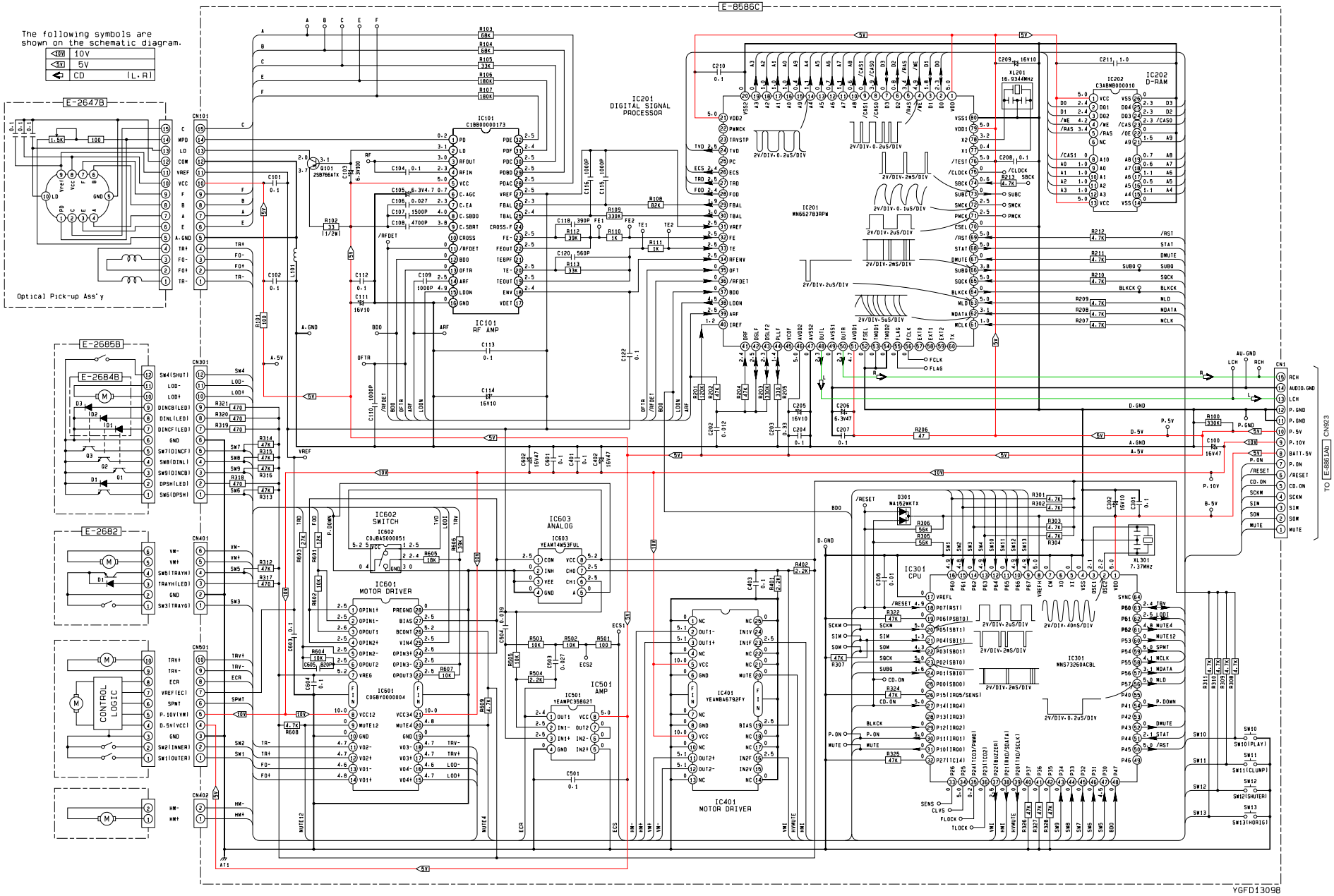
## 23.2. Main Block -1



## 23.3. Main Block -2



## 23.4. CD Servo Block

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